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ABSTRACT

This document tabulates and summarizes the professional qualifications, activities, and interests of applicants to institutes for high school science and mathematics teachers sponsored by the National Science Foundation in the summer of 1957 and the academic year 1958-59. All participants, all applicants who were accepted but later withdrew, and a random sample of rejected applicants approximately equal to the number of participants are included. The data are organized in 13 tables covering the following areas: academic preparation, credits and grades, major teaching fields, courses now taught, areas of professional interest, employment record, extra-curricular activities, membership in organizations, and journals read. Each area also has a brief summary and analysis. (Author/BB)

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THE PROFESSIONAL QUALIFICATIONS OF APPLICANTS
TO THE
1957 SUMMER AND ACADEMIC YEAR INSTITUTES

PREPARED FOR

THE NATIONAL SCIENCE FOUNDATION

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INTRODUCTION

This report tabulates and summarizes the professional qualifications, activities, and interests of applicants to institutes for high school science and mathematics teachers sponsored by the National Science Foundation in the summer of 1957 and the academic year 1957-1958. All participants, all applicants who were accepted but withdrew, and a random sample of rejected applicants approximately equal to the number of participants are included. The figures given for rejected applicants are thus subject to sampling variations as well as real individual differences. In this report the phrase "accepted applicants" refers only to participants, unless otherwise qualified. Since the number of applicants who withdrew from any institute was generally relatively small, the data are less conclusive and less emphasis has been placed on them. Three of the institutes, University of Kansas, University of Washington, and Claremont College, admitted college as well as high school teachers, making their inclusion in a report on high school teachers doubtful, and less attention, therefore, has been given to them in the analysis.

There were 96 institutes, 16 academic year institutes, and 80 summer institutes. Twelve of the latter were devoted specifically to mathematics, two to physics, eight to chemistry, five to biology, and three to radiation biology:

Mathematics

Buffalo, University of
Chicago, University of
Colorado, University of
Columbia University Teachers College
Indiana University
Massachusetts, University of
Miami University
Montana State College
Notre Dame, University of
Puerto Rico, Polytechnic Institute of
State Teachers College (Oneonta, N.Y.)
Wyoming, University of

Physics

Vermont, University of
Worcester Polytechnic Institute

Chemistry

California, University of (Berkeley)
New Hampshire, University of
Rochester, University of
St. Louis University
Tufts University
Tuskegee Institute
Utah State Agricultural College
Wisconsin, University of

Biology

Howard University
Indiana University
Iowa State Teachers College
Purdue University
Rutgers University

Radiation Biology

California, University of (Los Angeles)
New Mexico, University of
Tennessee, University of

The three high school and college teacher institutes were also specialized:

Claremont College	Biology
Kansas, University of	Mathematics
Washington, University of	Physics

Because of the relative uniformity of schools within each of the single discipline groups, totals only are presented for these groups, exceptions being noted in the text.

The other 47 summer institutes offered programs in more than one discipline and are sometimes called "general institutes" in this report. The data for these schools are more heterogeneous and are therefore presented individually.

Each table has the following four sections: the grand total for all institutes; the institutes encompassing several fields; the specialized institutes; and the academic year institutes. These sections are lettered A, B, C, and D, respectively.

Percentage figures are given with the grand totals for the benefit of those who might find them helpful.

Major subjects of applicants were classified as science, education, or non-science (excluding education). Applicants were then tallied according to major subject combinations in the following groups: science only; non-science only; education only; science and education; science and non-science; education, science, and non-science; and unspecified. The percentages of applicants who majored in the various subject combinations in Tables IIA and IIIA are percentages of the number of applicants who had the indicated graduate degree or credits toward this degree rather than of the total number of applicants.

BACHELOR'S DEGREE

Nearly all applicants, about 99 percent, to high school institutes had at least a bachelor's degree, except at Puerto Rico Polytechnic, a mathematics institute, where 4 out of 44 accepted and 3 of 44 rejected applicants had no degree. The percentage of those with no degree is slightly higher among rejected applicants, and lower among those who withdrew.

Major

Approximately two-thirds of accepted applicants who had a bachelor's degree majored in the sciences only, and an average of 12 percent majored in science and education. Science and non-science, non-science only, and education only account for most of the rest, in nearly equal proportions.

At individual schools the proportion of science-only majors varies from 40 percent to over 90 percent. At those schools where it is low, the number of science and education majors is generally increased proportionately.

The proportion of science-only majors tends to be a few percent less among rejected applicants, except at schools where the number of accepted applicants in this category is unusually low. There are more non-science majors among rejected applicants.

Of 63 participants at Baylor, however, 17 were non-science majors and only 22 were science majors; of 27 rejected applicants, 11 majored in non-science and 10 in science. Miami University (Mathematics) is also exceptional in having had only 23 of 69 participants who were science majors; 19 of this group majored in science and non-science, and 17 in science and education.

MASTER'S DEGREE

Nearly half of the participants at high school teaching institutes had master's degrees and another fourth had some graduate credits. Slightly more of the applicants who withdrew had master's degrees (53 percent), but among the rejected applicants there were, on the average, fewer with a graduate degree (41 percent) or graduate credits without the degree (22 percent).

The proportion of applicants to academic year institutes who had master's degrees is lower. Only 28 percent of accepted, 27 percent of withdrawn, and 23 percent of rejected applicants had master's degrees. There were, however, 34 percent of accepted, 45 percent of withdrawn, and 27 percent of rejected applicants to academic year institutes with some graduate credits.

Among applicants accepted by specialized institutes, 50 percent to 85 percent had master's degrees, an additional 5 percent to 25 percent had some graduate credits, and 5 percent to 30 percent had a bachelor's degree only. The schools at which percentages did not fall within these limits were Utah State Agricultural College, Howard University, Puerto Rico Polytechnic Institute, and Tuskegee Institute, at which only 39 percent, 29 percent, 27 percent, and 15 percent of accepted applicants respectively, had a master's degree or any graduate credits.

At all specialized institutes, there were, on the average 60 percent of accepted applicants who had a master's degree, 18 percent with some graduate credits and 22 percent with a bachelor's degree only.

Percentages in these categories, of applicants who withdrew or were rejected, fell within the same limits, although in general, slightly more of the applicants who withdrew had a graduate degree or credits, and fewer of the rejected applicants. Only at Puerto Rico Polytechnic Institute was the percentage of rejected applicants with a graduate degree or credits usually low (11 percent).

Major

Education only was the major of 44 percent of accepted applicants who had a graduate degree or credits, compared to 47 percent of rejected applicants; 28 percent of accepted, 31 percent of withdrawn and 24 percent of rejected applicants majored in science only. Education and science was the major of 13-14 percent of all applicants.

Among academic year institutes, however, the proportion of education only majors was about 50 percent at most schools. At North Carolina and Virginia two-thirds of accepted applicants majored in education and relatively few in science and education, but at Texas, only 30 percent of accepted applicants majored in education, and 28 percent in science and education.

At the specialized institutes, the number of science majors nearly equalled, but in some groups exceeded, the number of education majors among accepted applicants. The biology and high school and college teacher institutes were particularly rich in science majors with averages of 48 percent and 61 percent, respectively, of accepted applicants with a graduate degree or credits.

DOCTORATE

Most schools had no applicants with doctorate degrees. Only Stanford among the 16 academic year institutes had such an applicant and he was rejected. Thirty-two individuals holding doctor's degrees were accepted at summer institutes, but twelve are accounted for at just two schools -- Washington, 6, and Kansas, 6 - both high school and college teacher institutes. Excluding these twelve, the percentage of applicants with a doctorate accepted at all high school teacher institutes drops from 0.6 percent to 0.4 percent.

The lowest percentages of applicants who have graduate credits beyond a master's degree are to be found among the academic year institutes and the highest percentages among the specialized institutes. The proportion of applicants with advanced graduate credits is higher at most schools among the applicants who were accepted but withdrew than among participants or rejected applicants.

At academic year institutes the percentage of accepted and rejected applicants with advanced graduate credits was uniformly low (2.6 percent) except at Texas, where there were seven of 53 accepted applicants.

At the University of Washington, a physics institute for high school and college teachers, 17 of 53 accepted applicants had advanced graduate credits in addition to the 6 with doctor's degrees. Among the other specialized institutes we find the lowest as well as the highest proportions of applicants with advanced graduate credits. Howard (Biology), Tuskegee (Chemistry), and Puerto Rico Polytechnic Institute (Mathematics) are unusually low in this respect. At Buffalo, Colorado, Columbia, Massachusetts, and Miami, all mathematics institutes, 20 percent to 27 percent of accepted applicants (3 percent to 14 percent of rejected applicants) had advanced graduate credits. At Tufts, a chemistry institute, 14 of 47 rejected applicants (only 3 of 47 accepted) had advanced graduate credits.

Major

Approximately one-third of all applicants with a doctorate or advanced graduate credits majored in science only, and another third in education only. Among rejected applicants and those who withdrew, however, there are proportionately fewer education majors. There were proportionately more science majors (nearly half) among the withdrawn applicants, and more non-science majors among the rejected applicants. About 10 percent of all groups majored in science and education.

Partly because of the small numbers of applicants with graduate credits beyond a masters' degree, there is considerable variation in the percentages in each category at individual schools; nevertheless the summary above and the percentages in Table IIIA fit all summer institutes reasonably well, with one exception. At Worcester Polytechnic Institute four of seven accepted applicants with advanced graduate credit majored in non-science.

At the academic year institutes the pattern is slightly different. Half of the accepted applicants (including those who withdrew) majored in science and a fourth in education, but 12 of 20 rejected applicants majored in education and only 2 in science.

TABLE IA

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

BACHELOR'S DEGREE

		No. of Applicants	No Bachelor's Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
All High School Institutes	A*	5078	45	5033	3274	381	370	304	601	66	61	21
	W	1309	5	1304	894	81	72	82	160	11	6	3
	R	4835	54	4781	2813	541	387	386	527	78	58	45

Percentages

		No. of Applicants	No Bachelor's Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
All High School Institutes	A	5078	0.9	99.1	64.5	7.5	7.3	6.0	11.8	1.3	1.2	0.4
	W	1309	0.4	99.6	68.3	6.2	5.5	6.3	12.2	0.8	0.5	0.2
	R	4835	1.1	98.9	58.2	11.2	8.0	8.0	10.9	1.6	1.2	0.9

* A - Accepted
W - Withdrew
R - Rejected

TABLE I - B

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	No Degree	Bachelor's Degree	BACHELOR'S DEGREE							
					Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Totals for Specified Institutes	A*	2806	31	2775	1727	204	230	178	360	55	41	11
	W	648	3	645	445	48	30	36	79	5	2	3
	R	2586	30	2556	1480	293	208	216	295	43	29	22
Alaska, U. of	A	50	—	50	36	7	—	6	1	—	—	—
	W	14	—	14	10	1	2	—	1	—	—	—
	R	28	—	28	9	3	7	1	4	2	2	—
Allegheny C.	A	31	—	31	15	2	3	3	6	2	—	—
	W	12	1	11	6	2	1	—	1	—	—	2
	R	32	—	32	23	1	1	1	5	1	—	—
American U.	A	50	1	49	28	4	4	3	10	1	—	—
	W	15	—	15	13	1	—	—	—	1	—	—
	R	51	—	51	26	2	7	—	14	—	2	—
Arizona, U. of	A	52	—	52	43	2	—	—	6	1	—	—
	W	19	—	19	10	1	5	1	2	—	—	—
	R	52	—	52	43	5	—	4	—	—	—	—
Arizona St. C.	A	49	1	48	23	4	1	13	5	—	3	—
	W	10	—	10	8	—	1	—	1	—	—	—
	R	50	—	50	29	4	5	4	7	—	1	—
Arkansas, U. of	A	99	7	92	62	15	11	3	3	2	2	1
	W	6	—	6	3	—	—	—	3	—	—	—
	R	99	3	96	47	16	7	26	—	—	3	—

* A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	No Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Atlanta U.	A	30	1	29	23	--	1	2	3	--	--	1
	W	7	--	7	6	--	--	--	1	--	--	--
	R	30	--	30	18	4	2	1	4	--	--	1
Baylor U.	A	63	--	63	22	17	7	7	5	3	1	1
	W	25	--	25	15	4	--	6	--	--	--	--
	R	27	--	27	10	11	2	--	3	1	--	--
Bucknell U.	A	55	--	55	35	1	8	10	1	--	--	--
	W	7	--	7	2	1	1	1	2	--	--	--
	R	55	1	54	20	4	7	2	17	--	4	1
California, U. of (Berkeley)	A	205	1	204	136	11	16	11	27	3	1	--
	W	86	--	86	59	9	--	7	11	--	--	--
	R	129	1	128	78	15	10	14	8	4	--	--
California, U. of (Los Angeles)	A	104	--	104	69	11	3	2	14	2	2	1
	W	27	--	27	21	1	--	5	--	--	--	--
	R	56	--	56	30	7	2	1	13	2	1	--
Clarkson C. of Tech.	A	53	2	51	29	4	3	2	12	--	1	2
	W	15	--	15	9	1	3	1	1	--	--	--
	R	53	--	53	34	7	2	1	7	1	1	--
Colorado C.	A	53	--	53	33	2	8	2	2	5	1	--
	W	23	--	23	16	1	1	2	3	--	--	--
	R	53	--	53	38	4	1	4	6	--	--	--
Duke U.	A	86	--	85	35	10	8	19	7	6	1	--
	W	11	--	11	7	3	--	1	--	--	--	--
	R	69	3	66	28	10	6	12	11	--	--	2
Hawaii, U. of	A	68	7	61	22	7	5	16	12	2	1	3
	W	6	--	6	6	--	--	--	--	--	--	--
	R	67	2	65	35	12	5	2	8	3	1	1

College or University		No. of Applicants	No Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Idaho, U. of	A	51	—	51	16	3	8	5	14	3	2	—
	W	17	—	17	5	3	1	—	6	2	—	—
	R	51	—	51	26	7	7	1	6	3	1	—
Iowa St. C.	A	58	—	58	40	4	3	3	7	—	1	—
	W	20	—	20	17	2	1	—	—	—	—	—
	R	58	1	57	27	6	14	2	6	—	3	—
Kansas St. Teachers C.	A	60	—	60	33	2	5	2	17	—	1	—
	W	9	—	9	8	1	—	—	—	—	—	—
	R	60	—	60	38	10	1	10	1	—	—	—
Louisiana St. U.	A	54	2	52	50	4	—	—	—	—	—	—
	W	7	—	7	2	1	2	2	—	—	—	—
	R	54	3	51	26	5	2	8	8	1	—	4
Marshall C.	A	36	—	36	25	—	3	1	7	—	—	—
	W	10	—	10	7	—	1	—	2	—	—	—
	R	36	—	36	25	2	2	1	6	—	—	—
Maryland, U. of	A	58	1	57	28	1	7	9	11	1	—	1
	W	20	1	19	13	2	—	—	4	—	—	1
	R	58	—	58	34	4	1	2	16	1	—	—
Michigan St. U.	A	56	—	56	45	1	5	1	4	—	—	—
	W	17	—	17	17	—	—	—	—	—	—	—
	R	56	1	55	45	6	—	4	—	—	—	1
Minnesota, U. of (Duluth)	A	75	—	75	51	4	8	6	6	—	—	—
	W	8	—	8	5	—	—	1	2	—	—	—
	R	76	2	74	60	3	3	4	4	—	1	1

College or University		No. of Applicants	No Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Minnesota, U. of (Minneapolis)	A	76	—	76	45	1	7	3	18	1	1	—
	W	6	—	6	4	—	—	—	2	—	—	—
	R	75	—	75	35	5	13	4	16	1	1	—
Mississippi, U. of	A	50	1	49	39	3	—	8	—	—	—	—
	W											
	R	50	—	50	30	7	6	2	2	2	1	—
Missouri, U. of	A	55	—	55	51	2	—	2	—	—	—	—
	W	14	—	14	10	1	—	2	1	—	—	—
	R	55	1	54	36	3	4	3	6	1	1	1
Morgan St. C.	A	59	—	59	40	1	6	2	9	—	1	—
	W	4	—	4	3	—	—	—	1	—	—	—
	R	59	2	57	37	8	4	2	3	2	1	2
Murray St. C.	A	67	—	67	40	2	14	—	8	1	2	—
	W	25	—	25	17	1	3	1	3	—	—	—
	R	67	—	67	20	12	11	12	9	2	1	—
North Carolina C.	A	58	—	58	58	—	—	—	—	—	—	—
	W	5	—	5	4	—	—	—	1	—	—	—
	R	45	—	45	40	—	3	—	1	1	—	—
North Dakota, U. of	A	53	—	53	40	—	6	—	4	2	1	—
	W	14	—	14	9	—	2	—	3	—	—	—
	R	53	2	51	28	4	12	2	4	1	—	2
Oak Ridge Inst. of Nuclear Studies	A	48	—	48	31	4	1	1	11	—	—	—
	W	13	—	13	12	—	—	—	1	—	—	—
	R	48	1	47	31	2	4	1	8	1	—	1

College or University		No. of Applicants	No Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Ohio U.	A	54	—	54	32	2	10	2	8	—	—	—
	W	18	—	18	10	1	1	1	5	—	—	—
	R	54	2	52	31	5	5	2	8	1	1	1
Ohio Wesleyan U.	A	54	—	54	30	3	5	1	13	—	2	—
	W	4	—	4	2	—	—	1	—	—	1	—
	R	54	—	54	17	11	5	3	13	2	2	1
Oklahoma A & M C.	A	50	—	50	24	1	3	4	16	1	1	—
	W											
	R	50	—	50	38	4	—	8	—	—	—	—
Oklahoma, U. of	A	58	—	58	30	9	3	4	11	—	1	—
	W	19	—	19	15	1	—	3	—	—	—	—
	R	58	2	56	49	4	—	5	—	—	—	—
Pennsylvania, U. of	A	61	—	61	35	3	7	2	10	—	4	—
	W	37	—	37	30	1	—	1	5	—	—	—
	R	61	—	61	37	7	10	1	3	3	—	—
Rensselaer Poly. Inst.	A	50	—	50	46	4	—	—	—	—	—	—
	W	10	—	10	8	1	—	—	1	—	—	—
	R	40	—	40	27	2	4	1	5	1	—	—
San Jose St. C.	A	50	—	50	29	4	7	2	6	1	1	—
	W	16	—	16	8	2	—	—	6	—	—	—
	R	50	—	50	30	5	1	6	6	2	—	—
South Dakota St. C.	A	40	—	40	22	4	5	1	7	1	—	—
	W	3	—	3	3	—	—	—	—	—	—	—
	R	40	—	40	16	4	2	3	14	—	—	1

College or University		No. of Applicants	No Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Edcu.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
South Dakota, U. of	A	51	—	51	32	4	5	—	7	3	—	—
	W	11	—	11	11	—	—	—	—	—	—	—
	R	51	1	50	28	6	1	13	3	—	—	—
Southern Methodist U.	A	30	1	29	28	2	—	—	—	—	—	—
	W	4	—	4	4	—	—	—	—	—	—	—
	R	30	—	30	12	7	4	2	5	—	—	—
Stephen F. Austin St. C.	A	50	—	50	22	9	6	2	4	3	4	—
	W	10	—	10	3	—	2	—	3	1	1	—
	R	50	—	50	30	12	—	8	—	—	—	—
Syracuse U.	A	78	—	78	33	6	6	6	24	1	2	—
	W	18	1	17	9	3	2	—	4	—	—	—
	R	78	—	78	43	8	5	10	11	—	—	1
Texas, U. of	A	68	2	66	31	12	9	3	6	4	2	1
	W	10	—	10	8	1	1	—	—	—	—	—
	R	68	—	68	29	12	8	6	10	2	1	—
VPI	A	60	2	58	35	9	4	4	3	5	—	—
	W	9	—	9	5	1	—	—	2	1	—	—
	R	60	2	58	34	10	4	11	—	—	—	1
Western Michigan C.	A	30	—	30	23	—	4	1	2	—	—	—
	W											
	R	30	—	30	17	3	4	1	5	—	—	—
Wyoming, U. of	A	60	1	59	32	3	5	4	13	1	2	—
	W	7	—	7	5	1	—	—	1	—	—	—
	R	60	—	60	36	4	4	5	9	2	—	—

TABLE I-C

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES

BACHELOR'S DEGREE

		No. of Applicants	No Bachelor's Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Mathematics	A*	670	6	664	421	46	65	27	94	1	11	5
Institutes	W	183	—	183	134	4	24	5	16	—	—	—
	R	640	7	633	337	96	61	58	60	12	8	8
Physics	A	92	1	91	45	20	13	8	6	—	—	—
Institutes	W	24	1	23	12	5	2	2	2	1	—	—
	R	92	—	92	48	13	3	2	25	1	—	—
Chemistry	A	306	—	306	233	25	15	12	20	—	1	—
Institutes	W	69	—	69	42	5	2	6	13	—	1	—
	R	289	3	286	165	32	24	23	31	5	6	3
Biology	A	212	2	210	175	8	8	13	7	—	—	1
Institutes	W	75	—	75	55	3	2	6	9	—	—	—
	R	214	2	212	130	19	25	8	24	2	4	2
Radiation	A	62	—	62	50	8	—	—	4	—	—	—
Biology	W	7	—	7	7	—	—	—	—	—	—	—
Institutes	R	91	2	89	65	9	4	4	2	2	3	—
High School &	A	151	2	149	116	11	1	10	12	—	—	—
College	W	36	—	36	21	3	2	—	9	—	1	—
Teachers	R	151	1	150	107	16	7	7	10	2	—	1
Institutes												

*
A - Accepted
W - Withdrew
R - Rejected

TABLE I-D

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT ACADEMIC YEAR INSTITUTES

College or University		No. of Applicants	No Bachelor's Degree	Bachelor's Degree	BACHELOR'S DEGREE							
					Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Totals for Academic Year Institutes	A*	779	3	776	507	59	38	56	98	10	8	3
	W	267	1	266	178	13	10	27	32	5	2	--
	R	772	9	763	481	63	55	68	80	11	8	6
Chicago, U. of	A	30	--	30	20	3	1	1	5	--	--	--
	W	17	--	17	14	--	2	--	1	--	--	--
	R	30	--	30	16	--	4	2	6	1	--	1
Colorado, U. of	A	54	1	53	35	5	1	6	6	--	1	--
	W	25	--	25	16	3	--	2	3	1	--	--
	R	54	--	54	27	4	6	3	10	3	1	--
Harvard U.	A	46	--	46	23	4	1	2	12	3	--	1
	W	17	--	17	12	--	1	--	3	1	--	--
	R	46	--	46	27	8	1	7	3	--	--	--
Illinois, U. of	A	34	--	34	22	--	4	1	6	--	1	--
	W	5	--	5	3	--	1	1	--	--	--	--
	R	34	--	34	19	--	5	2	6	--	2	--
Michigan, U. of	A	44	--	44	28	5	7	2	2	--	--	--
	W	14	--	14	9	--	1	1	3	--	--	--
	R	50	--	50	40	1	2	2	5	--	--	--
North Carolina, U. of	A	52	--	52	40	6	1	3	2	--	--	--
	W	14	--	14	7	--	1	--	6	--	--	--
	R	52	--	52	35	2	5	3	5	--	1	1

* A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	No Bachelor's Degree	Bachelor's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Ohio St. U.	A	54	--	54	45	1	--	8	--	--	--	--
	W	60	1	59	41	2	--	17	--	--	--	--
	R	54	2	52	34	4	8	2	2	2	--	2
Oklahoma A. & M. College	A	49	--	49	27	4	5	3	10	--	--	--
	W	10	--	10	6	--	--	2	2	--	--	--
	R	49	1	48	26	5	6	3	9	--	--	--
Oregon St. C.	A	52	1	51	34	1	1	2	14	--	--	--
	W	11	--	11	8	1	1	--	1	--	--	--
	R	52	--	52	43	4	--	5	--	--	--	--
Pennsylvania St. U.	A	50	1	49	44	1	--	3	--	--	1	1
	W	4	--	4	4	--	--	--	--	--	--	--
	R	50	1	49	27	5	--	18	--	--	--	--
Stanford U.	A	50	--	50	20	9	1	2	14	2	2	--
	W	19	--	19	16	--	1	1	1	--	--	--
	R	50	1	49	23	5	6	3	12	--	1	--
Texas, U. of	A	53	--	53	21	6	4	6	13	1	2	--
	W	27	--	27	12	2	1	1	9	2	--	--
	R	53	1	52	41	7	--	3	2	--	--	--
Utah, U. of	A	54	--	54	37	4	--	4	7	2	--	--
	R	54	1	53	25	5	3	8	6	3	3	1
Virginia, U. of	A	54	--	54	37	5	4	5	1	1	--	1
	W	19	--	19	14	1	--	2	1	1	--	--
	R	54	1	53	29	3	9	4	6	2	--	1
Washington U.	A	51	--	51	28	4	8	3	6	1	1	--
	W	25	--	25	16	4	1	--	2	--	2	--
	R	38	1	37	29	7	--	2	--	--	--	--
Wisconsin, U. of	A	52	--	52	46	1	--	5	--	--	--	--
	R	52	--	52	40	3	--	1	8	--	--	--

TABLE II-A

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

MASTER'S DEGREE

		No. of Applicants	Post-Grad No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
All High School Institutes	A*	5078	1199	2399	1001	230	50	1594	516	68	19	120
	W	1309	321	689	315	57	14	447	145	15	3	14
	R	4835	1051	1988	714	280	44	1424	388	74	12	103

Percentages

		No. of Applicants	Post-Grad No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
All High School Institutes	A	5078	23.6	47.2	27.8	6.4	1.4	44.3	14.3	1.9	0.5	3.3
	W	1309	24.5	52.6	31.2	5.6	1.4	44.3	14.4	1.5	0.3	1.4
	R	4835	21.7	41.1	23.5	9.2	1.4	46.9	12.8	2.4	0.4	3.4

* A - Accepted
W - Withdrew
R - Rejected

TABLE II-B

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	Post-Grad No Degree	Master's Degree	MASTER'S DEGREE								
					Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Totals for Specified Institutes	A*	2806	678	1265	467	130	29	904	284	46	14	69
	W	648	128	363	144	27	8	224	74	9	--	5
	R	2586	579	1041	341	156	22	792	190	50	5	64
Alaska, U. of	A	50	14	23	17	4	--	16	--	--	--	--
	W	14	4	5	4	1	1	2	--	--	--	--
	R	28	12	8	4	6	1	3	3	1	--	2
Allegheny C.	A	31	5	22	9	2	1	9	4	1	--	1
	W	12	4	6	4	1	--	3	2	--	--	--
	R	32	9	18	6	1	--	16	4	--	--	--
American U.	A	50	13	29	9	--	--	25	7	--	1	--
	W	15	2	11	2	1	1	6	3	--	--	--
	R	51	6	21	4	1	2	18	2	--	--	--
Arizona, U. of	A	52	10	38	14	1	--	27	3	1	--	2
	W	19	4	13	7	2	--	7	--	1	--	--
	R	52	11	23	12	1	--	21	--	--	--	--
Arizona St. C.	A	49	6	19	7	--	1	14	2	--	1	--
	W	10	1	3	--	--	1	1	1	1	--	--
	R	50	11	32	10	6	1	17	6	2	--	1
Arkansas, U. of	A	99	28	39	13	5	1	35	5	3	--	5
	W	6	--	4	1	--	--	2	1	--	--	--
	R	99	27	31	10	2	--	42	1	1	--	2

* A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	Post-Grad. No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Atlanta U.	A	30	2	12	10	—	—	3	1	—	—	—
	W	7	—	3	—	1	—	—	2	—	—	—
	R	30	6	7	2	—	—	9	1	1	—	—
Baylor U.	A	63	7	48	10	10	—	24	4	3	1	3
	W	25	1	14	6	2	—	7	—	—	—	—
	R	27	9	6	2	3	2	5	1	1	—	1
Bucknell U.	A	55	10	24	5	5	1	21	—	—	—	2
	W	7	—	5	1	1	—	3	—	—	—	—
	R	55	5	31	9	2	—	18	6	1	—	—
California, U. of (Berkeley)	A	205	58	101	41	7	3	73	24	6	—	5
	W	86	23	44	25	—	—	31	10	1	—	—
	R	129	27	58	24	14	1	33	8	2	1	2
California, U. of (Los Angeles)	A	104	30	65	24	4	—	48	12	2	2	3
	W	27	5	17	7	1	—	14	—	—	—	—
	R	56	11	29	8	4	1	17	9	—	—	1
Clarkson C. of Tech.	A	53	2	38	3	1	1	26	9	—	—	—
	W	15	5	6	3	1	—	5	1	1	—	—
	R	53	15	29	11	1	1	18	9	1	—	3
Colorado C.	A	53	15	32	12	8	—	19	6	—	—	2
	W	23	4	16	4	3	—	13	—	—	—	—
	R	53	17	26	5	2	2	26	6	2	—	—
Duke U.	A	86	19	49	8	3	2	34	15	3	—	3
	W	11	4	7	5	—	—	6	—	—	—	—
	R	69	10	29	5	7	—	15	7	3	—	2
Hawaii, U. of	A	68	20	19	13	2	—	16	7	1	—	—
	W	6	—	4	2	—	—	2	—	—	—	—
	R	67	22	30	10	4	2	22	10	1	—	3

College or University		No. of Applicants	Post-Grad No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Idaho, U. of	A	51	6	23	7	2	2	14	4	—	—	—
	W	17	3	11	1	2	—	5	4	2	—	—
	R	51	17	20	8	5	—	16	3	1	1	3
Iowa St. C.	A	58	18	18	10	5	1	17	—	2	—	1
	W	20	4	15	7	1	1	8	1	—	—	1
	R	58	18	16	7	2	1	16	3	2	1	2
Kansas St. Teachers C.	A	60	5	21	10	2	—	8	5	1	—	—
	W	9	—	5	2	—	—	3	—	—	—	—
	R	60	7	25	5	1	—	23	1	1	—	1
Lousiana St. U.	A	54	1	17	4	2	—	11	—	—	—	1
	W	7	3	2	2	—	—	2	—	—	—	1
	R	54	12	20	9	2	1	14	4	2	—	—
Marshall C.	A	36	16	8	2	1	1	12	4	1	1	2
	W	10	2	3	2	—	—	2	1	—	—	—
	R	36	8	11	6	1	—	5	3	—	—	4
Maryland, U. of	A	58	8	31	8	3	1	20	7	—	—	—
	W	20	3	10	4	1	—	6	1	1	—	—
	R	58	15	25	8	1	—	21	9	1	—	—
Michigan St. U.	A	56	14	26	7	10	—	11	10	—	—	2
	W	17	3	8	4	—	—	7	—	—	—	—
	R	56	14	20	9	5	—	20	—	—	—	—
Minnesota, U. of (Duluth)	A	75	33	17	9	1	—	26	2	1	—	11
	W	8	1	4	—	—	—	4	1	—	—	—
	R	76	7	32	14	9	—	12	3	—	—	1

College or University		No. of Applicants	Post-Grad No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Minnesota, U. of (Minneapolis)	A	76	11	39	7	—	—	32	9	2	—	—
	W	6	1	3	—	—	—	2	2	—	—	—
	R	75	16	24	4	4	—	21	7	1	—	3
Mississippi, U. of	A	50	9	14	9	2	—	12	—	—	—	—
	W											
	R	50	7	24	5	3	—	17	2	2	1	1
Missouri, U. of	A	55	12	32	19	1	—	22	2	—	—	—
	W	14	4	10	3	—	—	8	3	—	—	—
	R	55	15	19	9	3	—	12	3	4	—	3
Morgan St. C.	A	59	21	21	6	—	3	15	15	1	—	2
	W	4	2	1	1	—	—	1	—	—	—	1
	R	59	20	15	8	2	1	11	3	5	—	5
Murray St. C.	A	67	15	30	11	1	1	20	4	—	3	4
	W	25	4	16	8	1	—	8	3	—	—	—
	R	67	14	25	8	1	—	25	4	—	—	1
North Carolina C.	A	58	15	16	14	3	—	5	8	—	—	1
	W	5	1	1	1	—	—	1	—	—	—	—
	R	45	7	11	5	3	—	9	1	—	—	—
North Dakota, U. of	A	53	12	16	9	1	—	13	4	1	—	—
	W	14	—	3	—	—	—	—	3	1	—	—
	R	53	10	16	1	6	1	14	2	2	—	1
Oak Ridge Inst. of Nuclear Studies	A	48	8	36	11	3	1	16	13	—	—	—
	W	13	6	7	—	—	—	4	9	—	—	—
	R	48	11	26	10	2	—	14	10	1	—	—

College or University		No. of Applicants	Post-Grad. No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Ohio U.	A	54	17	21	13	5	2	13	5	—	—	—
	W	18	4	9	5	1	—	6	1	—	—	—
	R	54	12	23	7	2	1	19	3	—	—	3
Ohio Wesleyan U.	A	54	22	12	3	5	1	14	8	1	—	2
	W	4	2	2	—	2	—	2	—	—	—	—
	R	54	21	26	7	6	—	21	8	1	—	4
Oklahoma A & M C.	A	50	12	24	5	—	1	24	5	1	—	—
	W											
	R	50	8	19	4	1	—	22	—	—	—	—
Oklahoma, U. of	A	58	10	32	6	5	2	28	1	—	—	—
	W	19	1	10	4	—	—	7	—	—	—	—
	R	58	4	24	11	5	—	12	—	—	—	—
Pennsylvania, U. of	A	61	9	40	10	1	1	22	15	—	—	—
	W	37	8	25	8	—	—	16	9	—	—	—
	R	61	17	23	7	2	1	16	7	1	—	6
Rensselaer Poly. Inst.	A	50	14	28	17	2	—	23	—	—	—	—
	W	10	3	7	2	2	—	5	1	—	—	—
	R	40	12	20	10	5	—	11	6	—	—	—
San Jose St. C.	A	50	15	21	7	—	—	20	8	—	—	1
	W	16	3	11	6	—	—	3	5	—	—	—
	R	50	15	23	2	—	—	26	6	2	—	2
South Dakota St. C.	A	40	19	9	5	3	—	14	3	1	—	2
	W	3	1	—	—	1	—	—	—	—	—	—
	R	40	15	11	5	—	—	14	6	—	—	1

College or University		No. of Applicants	Post-Grad. No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspe.
South Dakota, U. of	A	51	23	12	10	2	—	11	6	—	3	3
	W	11	—	4	2	—	—	2	—	—	—	—
	R	51	10	8	4	3	—	11	—	—	—	—
Southern Methodist U.	A	30	1	14	4	6	—	5	—	—	—	—
	W	4	—	1	—	—	—	1	—	—	—	—
	R	30	5	15	7	2	—	10	1	—	—	—
Stephen F. Austin St. C.	A	50	6	29	9	2	1	15	2	6	—	—
	W	10	—	10	2	—	—	4	3	1	—	—
	R	50	1	26	2	9	—	15	—	—	—	1
Syracuse U.	A	78	22	33	9	2	—	19	23	—	—	2
	W	18	7	7	2	1	2	6	3	—	—	—
	R	78	18	32	10	5	1	21	11	—	—	2
Texas, U. of	A	68	13	38	10	4	—	21	6	5	2	3
	W	10	1	9	5	—	1	3	—	—	—	1
	R	68	19	24	7	3	1	22	3	4	1	2
VPI	A	60	21	15	8	3	1	13	4	2	—	6
	W	9	2	6	1	—	1	4	2	—	—	—
	R	60	6	18	3	3	—	17	—	1	—	—
Western Michigan C.	A	30	12	—	2	1	—	8	1	—	—	—
	W											
	R	30	10	5	4	4	1	5	1	—	—	—
Wyoming, U. of	A	60	19	14	11	—	—	10	11	1	—	—
	W	7	2	5	1	1	—	2	2	—	—	1
	R	60	9	37	13	2	—	20	7	3	—	1

TABLE II-C

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES

MASTER'S DEGREE

		No. of Applicants	Post-Grad. No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Mathematics Institutes	A*	670	124	420	177	27	10	205	102	11	2	10
	W	183	32	125	70	16	3	46	19	1	--	2
	R	640	114	330	112	44	11	204	47	10	3	13
Physics Institutes	A	92	11	56	13	9	1	36	6	2	--	--
	W	24	8	10	2	2	--	10	3	1	--	--
	R	92	19	61	25	3	--	31	20	--	--	1
Chemistry Institutes	A	306	50	170	50	19	--	109	29	4	--	9
	W	69	12	43	10	5	--	38	2	--	--	--
	R	289	59	144	41	21	2	89	42	2	2	4
Biology Institutes	A	212	39	112	72	7	2	58	9	--	--	3
	W	75	16	45	28	1	1	20	8	2	--	1
	R	214	40	100	41	16	2	46	27	3	1	4
Radiation Biology Institutes	A	62	15	37	17	4	--	21	7	1	--	2
	W	7	1	4	3	--	--	1	--	--	--	1
	R	91	13	46	22	7	--	24	5	1	--	--
High School and College Teachers Institutes	A	151	14	117	80	5	--	31	15	--	--	--
	W	36	5	26	15	1	--	9	3	2	1	--
	R	151	17	92	41	8	1	46	9	--	1	3

*

A - Accepted
W - Withdrew
R - Rejected

TABLE II-D

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT ACADEMIC YEAR INSTITUTES

MASTER'S DEGREE

College or University		No. of Applicants	Post-Grad. No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Academic Year Institutes	A*	779	268	222	125	29	8	230	64	4	3	27
	W	267	119	73	43	5	2	99	36	--	2	5
	R	772	210	174	91	25	6	192	48	8	--	14
Chicago, U. of	A	30	11	11	4	--	2	13	2	--	--	1
	W	17	5	9	1	1	1	6	4	--	--	1
	R	30	12	9	4	--	1	4	7	2	--	3
Colorado, U. of	A	54	18	19	7	4	--	19	3	--	--	4
	W	25	15	3	1	1	--	12	3	--	--	1
	R	54	11	10	11	--	--	5	3	2	--	--
Harvard U.	A	46	--	17	3	--	--	9	5	--	--	--
	W	17	8	6	4	--	1	5	3	--	--	1
	R	46	13	18	3	2	--	21	5	--	--	--
Illinois, U. of	A	34	12	13	5	--	1	9	7	--	--	3
	W	5	1	3	1	1	--	2	--	--	--	--
	R	34	9	8	4	1	--	6	5	--	--	1
Michigan, U. of	A	44	24	4	7	6	--	10	1	2	--	2
	W	14	5	2	1	--	--	6	--	--	--	--
	R	50	17	14	11	1	--	16	1	--	--	2
North Carolina, U. of	A	52	16	8	3	1	--	15	4	--	--	1
	W	14	6	3	1	--	--	6	2	--	--	--
	R	52	14	7	5	3	--	8	4	--	--	1

* A - Accepted
W - Withdrew
R - Rejected

MASTER'S DEGREE

College or University		No. of Applicants	Post-Grad No Degree	Master's Degree	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Ohio St. U.	A	54	20	26	19	4	--	20	--	--	1	2
	W	60	31	9	19	--	--	21	--	--	--	--
	R	54	16	3	4	3	2	6	2	--	--	2
Oklahoma A. & M. College	A	49	17	18	7	4	1	16	7	--	--	--
	W	10	3	4	3	--	--	3	1	--	--	--
	R	49	12	10	4	1	2	10	4	1	--	--
Oregon St. C.	A	52	30	9	13	2	--	14	6	1	--	3
	W	11	6	1	1	--	--	2	3	--	1	--
	R	52	--	13	2	3	--	8	--	--	--	--
Pennsylvania St. U.	A	50	19	16	8	--	--	23	4	--	--	--
	W	4	2	1	2	--	--	1	--	--	--	--
	R	50	12	19	4	3	--	24	--	--	--	--
Stanford U.	A	50	14	18	8	2	--	13	6	--	1	2
	W	19	9	5	5	--	--	3	5	--	--	1
	R	50	18	20	5	3	1	20	4	2	--	3
Texas, U. of	A	53	17	22	10	1	3	12	11	1	--	1
	W	27	8	12	1	1	--	10	7	--	--	1
	R	53	6	14	7	1	--	12	--	--	--	--
Utah, U. of	A	54	28	6	11	1	1	16	2	--	--	3
	R	54	8	8	2	1	--	8	4	1	--	--
Virginia, U. of	A	54	19	13	9	1	--	21	1	--	--	--
	W	19	9	7	2	1	--	9	4	--	--	--
	R	54	27	6	8	2	--	13	8	--	--	2
Washington U.	A	51	21	15	9	3	--	15	4	--	1	4
	W	25	11	8	1	--	--	13	4	--	1	--
	R	38	16	7	6	--	--	17	--	--	--	--
Wisconsin, U. of	A	52	2	7	2	--	--	5	1	--	--	1
	R	52	19	8	11	1	--	14	1	--	--	--

TABLE III-A

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

DOCTORATE

		No. of Applicants	Post-Grad. No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
All High School Institutes	**A***	5078	370	32	139	30	6	131	42	5	2	47
	W	1309	118	5	57	8	2	32	10	1	--	13
	R	4835	321	29	126	49	4	85	35	4	1	46

Percentages

		No. of Applicants	Post-Grad. No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
All High School Institutes	**A**	5078	7.3	0.6	34.6	7.5	1.5	32.6	10.4	1.2	0.5	11.7
	W	1309	9.0	0.4	36.3	6.5	1.6	26.0	8.1	0.8	--	10.6
	R	4835	6.6	0.6	36.0	14.0	1.1	24.3	10.0	1.1	0.3	13.1

* **A** - **Accepted**
W - Withdrew
R - Rejected

TABLE III-B

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

DOCTORATE

College or University		No. of Applicants	Post-Grad. No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Totals for	A*	2806	171	9	50	18	3	66	18	1	2	22
Specified	W	648	52	3	26	3	1	16	3	—	—	6
Institutes	R	2586	144	13	49	26	1	41	17	2	—	21
Alaska, U. of	A	50	4	—	3	—	—	1	—	—	—	—
	W	14	1	—	1	—	—	—	—	—	—	—
	R	28	6	—	4	—	1	—	1	—	—	—
Allegheny C.	A	31	—	—	—	—	—	—	—	—	—	—
	W	12	1	—	—	—	—	1	—	—	—	—
	R	32	1	—	—	—	—	1	—	—	—	—
American U.	A	50	4	—	1	—	—	1	—	—	—	2
	W	15	1	1	1	—	—	1	—	—	—	—
	R	51	—	1	—	1	—	—	—	—	—	—
Arizona, U. of	A	52	11	—	2	—	—	5	1	—	—	3
	W	19	1	—	—	—	—	1	—	—	—	—
	R	52	4	—	3	—	—	1	—	—	—	—
Arizona St. C.	A	49	—	—	—	—	—	—	—	—	—	—
	W	10	1	—	—	—	—	1	—	—	—	—
	R	50	5	—	—	1	—	3	—	—	—	1
Arkansas, U. of	A	99	4	—	2	—	—	—	—	—	—	2
	W	6	—	—	—	—	—	—	—	—	—	—
	R	99	—	—	—	—	—	—	—	—	—	—

*
A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	Post-Grad No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Atlanta U.	A	30	--	--	--	--	--	--	--	--	--	--
	W	7	--	--	--	--	--	--	--	--	--	--
	R	30	--	--	--	--	--	--	--	--	--	--
Baylor U.	A	63	5	--	3	--	--	--	--	--	--	2
	W	25	--	--	--	--	--	--	--	--	--	--
	R	27	2	--	1	--	--	--	--	--	--	1
Bucknell U.	A	55	2	--	--	1	--	--	1	--	--	--
	W	7	--	--	--	--	--	--	--	--	--	--
	R	55	--	--	--	--	--	--	--	--	--	--
California, U. of (Berkeley)	A	205	24	1	5	3	2	4	6	1	1	3
	W	86	5	--	2	--	1	1	1	--	--	--
	R	129	1	--	--	--	--	--	1	--	--	--
California, U. of (Los Angeles)	A	104	13	1	5	1	--	4	4	--	--	--
	W	27	1	--	1	--	--	--	--	--	--	--
	R	56	3	--	1	--	--	1	--	--	--	1
Clarkson C. of Tech.	A	53	1	--	--	--	--	1	--	--	--	--
	W	15	1	--	--	--	--	--	1	--	--	--
	R	53	10	--	6	1	--	3	--	--	--	--
Colorado C.	A	53	9	--	2	1	--	2	1	--	--	3
	W	23	3	--	1	--	--	1	--	--	--	1
	R	53	6	--	2	1	--	2	1	--	--	--
Duke U.	A	86	6	2	1	1	--	6	--	--	--	--
	W	11	--	--	--	--	--	--	--	--	--	--
	R	69	4	1	2	3	--	--	--	--	--	--
Hawaii, U. of	A	68	1	1	1	--	--	--	--	--	--	1
	W	6	--	--	--	--	--	--	--	--	--	--
	R	67	5	1	--	--	--	3	--	--	--	3

College or University		No. of Applicants	Post-Grad. No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Idaho, U. of	A	51	--	--	--	--	--	--	--	--	--	--
	W	17	1	--	--	--	--	--	1	--	--	--
	R	51	7	--	1	--	--	2	1	--	--	3
Iowa St. C.	A	58	4	--	--	2	--	--	1	--	--	1
	W	20	3	--	3	--	--	--	--	--	--	--
	R	58	2	--	--	--	--	2	--	--	--	--
Kansas St. Teachers C.	A	60	1	--	1	--	--	--	--	--	--	--
	W	9	--	--	--	--	--	--	--	--	--	--
	R	60	2	--	2	--	--	--	--	--	--	--
Louisiana St. U.	A	54	--	--	--	--	--	--	--	--	--	--
	W	7	--	--	--	--	--	--	--	--	--	--
	R	54	4	--	1	3	--	--	--	--	--	--
Marshall C.	A	36	1	--	--	--	--	1	--	--	--	--
	W	10	1	--	1	--	--	--	--	--	--	--
	R	36	1	--	--	--	--	--	--	--	--	1
Maryland, U. of	A	58	3	--	--	--	--	3	--	--	--	--
	W	20	4	--	4	--	--	--	--	--	--	--
	R	58	6	--	1	--	--	5	--	--	--	--
Michigan St. U.	A	56	3	--	2	1	--	--	--	--	--	--
	W	17	--	1	1	--	--	--	--	--	--	--
	R	56	1	2	1	1	--	1	--	--	--	--
Minnesota, U. of (Duluth)	A	75	4	--	1	--	--	3	--	--	--	--
	W	8	1	--	--	--	--	1	--	--	--	--
	R	76	--	--	--	--	--	--	--	--	--	--

College or University		No. of Applicants	Post-Grad No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Minnesota, U. of (Minneapolis)	A	76	6	--	2	--	--	4	--	--	--	--
	W	6	1	--	--	--	--	1	--	--	--	--
	R	75	3	--	1	--	--	1	--	--	--	1
Mississippi, U. of	A	50	--	--	--	--	--	--	--	--	--	--
	W											
	R	50	4	--	--	1	--	--	1	--	--	2
Missouri, U. of	A	55	4	1	1	2	--	2	--	--	--	--
	W	14	2	--	2	--	--	--	--	--	--	--
	R	55	9	--	3	2	--	1	1	1	--	1
Morgan St. C.	A	59	7	--	3	--	--	4	--	--	--	--
	W	4	1	--	--	--	--	1	--	--	--	--
	R	59	6	1	3	1	--	1	1	--	--	1
Murray St. C.	A	67	3	--	1	--	--	--	--	--	--	2
	W	26	4	--	4	--	--	--	--	--	--	--
	R	67	1	--	--	--	--	1	--	--	--	--
North Carolina C.	A	58	3	--	1	--	--	2	--	--	--	--
	W	5	1	--	1	--	--	--	--	--	--	--
	R	45	1	--	1	--	--	--	--	--	--	--
North Dakota, U. of	A	53	1	--	1	--	--	--	--	--	--	--
	W	14	--	--	--	--	--	--	--	--	--	--
	R	53	2	--	--	--	--	1	1	--	--	--
Oak Ridge Inst. of Nuclear Studies	A	48	2	--	--	1	--	--	1	--	--	--
	W	13	1	--	1	--	--	--	--	--	--	--
	R	48	2	1	2	1	--	--	--	--	--	--

College or University		No. of Applicants	Post-Grad. No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Ohio U.	A	54	4	—	2	—	—	2	—	—	—	—
	W	18	2	—	1	—	—	1	—	—	—	—
	R	54	1	1	—	—	—	1	—	1	—	—
Ohio Wesleyan U.	A	54	5	—	—	1	—	2	—	—	—	2
	W	4	1	—	—	—	—	1	—	—	—	—
	R	54	6	1	3	1	—	1	1	—	—	1
Oklahoma A & M C.	A	50	2	—	—	—	—	2	—	—	—	—
	W											
	R	50	—	—	—	—	—	—	—	—	—	—
Oklahoma, U. of	A	58	7	1	1	—	—	7	—	—	—	—
	W	19	—	—	—	—	—	—	—	—	—	—
	R	58	1	1	1	1	—	—	—	—	—	—
Pennsylvania, U. of	A	61	3	1	2	—	—	2	—	—	—	—
	W	37	1	—	—	—	—	1	—	—	—	—
	R	61	6	—	1	2	—	3	—	—	—	—
Rensselaer Poly. Inst.	A	50	4	—	1	1	—	2	—	—	—	—
	W	10	2	1	—	1	—	2	—	—	—	—
	R	40	6	—	2	2	—	1	1	—	—	—
San Jose St. C.	A	50	4	1	1	1	—	1	2	—	—	—
	W	16	1	—	—	—	—	1	—	—	—	—
	R	50	3	—	1	1	—	—	1	—	—	—
South Dakota St. C.	A	40	1	—	1	—	—	—	—	—	—	—
	W	3	—	—	—	—	—	—	—	—	—	—
	R	40	—	—	—	—	—	—	—	—	—	—

College or University		No. of Applicants	Post-Grad. No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
South Dakota, U. of	A	51	2	—	1	—	—	1	—	—	—	—
	W	11	—	—	—	—	—	—	—	—	—	—
	R	51	—	1	—	—	—	1	—	—	—	—
Southern Methodist U.	A	30	1	—	—	—	—	1	—	—	—	—
	W	4	—	—	—	—	—	—	—	—	—	—
	R	30	1	—	—	—	—	—	1	—	—	—
Stephen F. Austin St. C.	A	50	1	—	—	—	—	1	—	—	—	—
	W	10	4	—	—	2	—	—	—	—	—	2
	R	50	—	—	—	—	—	—	—	—	—	—
Syracuse U.	A	78	4	—	2	—	—	1	1	—	—	—
	W	18	1	—	—	—	—	—	—	—	—	1
	R	78	11	2	3	1	—	2	4	—	—	3
Texas, U. of	A	68	5	—	1	2	—	—	—	—	1	1
	W	10	3	—	1	—	—	—	—	—	—	2
	R	68	1	—	—	—	—	1	—	—	—	—
VPI	A	60	2	—	—	—	1	1	—	—	—	—
	W	9	2	—	1	—	—	1	—	—	—	—
	R	60	2	—	—	2	—	—	—	—	—	—
Western Michigan C.	A	30	—	—	—	—	—	—	—	—	—	—
	W											
	R	30	—	—	—	—	—	—	—	—	—	—
Wyoming, U. of	A	60	—	—	—	—	—	—	—	—	—	—
	W	7	—	—	—	—	—	—	—	—	—	—
	R	60	6	—	2	—	—	1	1	—	—	2

TABLE III-C

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES

DOCTORATE

		No. of Applicants	Post-Grad. No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Mathematics Institutes	A*	670	100	4	33	7	2	30	15	2	--	15
	W	183	33	1	13	2	--	8	4	1	--	6
	R	640	60	3	19	14	1	13	5	1	1	9
Physics Institutes	A	92	10	1	2	4	--	3	2	--	--	--
	W	24	2	1	1	1	--	--	1	--	--	--
	R	92	26	3	20	2	1	5	1	--	--	--
Chemistry Institutes	A	306	18	1	7	--	--	7	1	1	--	3
	W	69	5	--	3	1	--	--	--	--	--	1
	R	289	31	1	9	3	--	7	5	--	--	8
Biology Institutes	A	212	20	1	14	--	--	5	2	--	--	--
	W	75	6	--	3	--	1	2	--	--	--	--
	R	214	18	1	8	1	1	3	3	1	--	2
Radiation Biology Institutes	A	62	6	3	1	--	--	6	--	--	--	2
	W	7	--	--	--	--	--	--	--	--	--	--
	R	91	4	--	1	1	--	1	--	--	--	1
High School and College Teachers Institutes	A	151	25	13	23	1	1	9	3	--	--	1
	W	36	4	--	2	--	--	2	--	--	--	--
	R	151	19	7	18	1	--	3	3	--	--	1

*
A - Accepted
W - Withdrew
R - Rejected

TABLE III-D

DISTRIBUTION OF ACADEMIC PREPARATION BY DEGREE AND MAJOR SUBJECT OF APPLICANTS AT ACADEMIC YEAR INSTITUTES

College or University		No. of Applicants	Post-Grad No Degree	DOCTORATE Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Academic Year Institutes	A*	779	20	--	9	--	--	5	1	1	--	4
	W	267	16	--	9	1	--	4	2	--	--	--
	R	772	19	1	2	1	--	12	1	--	--	4
Chicago, U. of	A	30	2	--	1	--	--	--	1	--	--	--
	W	17	1	--	1	--	--	--	--	--	--	--
	R	30	3	--	1	--	--	2	--	--	--	--
Colorado, U. of	A	54	1	--	--	--	--	1	--	--	--	--
	W	25	--	--	--	--	--	--	--	--	--	--
	R	54	--	--	--	--	--	--	--	--	--	--
Harvard U.	A	46	--	--	--	--	--	--	--	--	--	--
	W	17	3	--	--	--	--	--	2	--	--	--
	R	46	2	--	--	1	--	1	--	--	--	--
Illinois, U. of	A	34	2	--	2	--	--	--	--	--	--	--
	W	5	1	--	--	--	--	1	--	--	--	--
	R	34	1	--	--	--	--	1	--	--	--	--
Michigan, U. of	A	44	1	--	--	--	--	1	--	--	--	--
	W	14	--	--	--	--	--	--	--	--	--	--
	R	50	3	--	--	--	--	1	--	--	--	2
North Carolina, U. of	A	52	2	--	--	--	--	1	--	--	--	1
	W	14	--	--	--	--	--	--	--	--	--	--
	R	52	--	--	--	--	--	--	--	--	--	--

* A - Accepted
W - Withdrew
R - Rejected

70

71

DOCTORATE

College or University		No. of Applicants	Post-Grad. No Degree	Doctorate	Sci.	Non-Sci.	Sci. & Non-Sci.	Educ.	Educ. & Sci.	Educ. & Non-Sci.	Educ. Sci. & Non-Sci.	Unspec.
Ohio St. U.	A	54	--	--	--	--	--	--	--	--	--	--
	W	60	4	--	4	--	--	--	--	--	--	--
	R	54	--	--	--	--	--	--	--	--	--	--
Oklahoma A. & M. College	A	49	--	--	--	--	--	--	--	--	--	--
	W	10	--	--	--	--	--	--	--	--	--	--
	R	49	2	--	--	--	--	1	1	--	--	--
Oregon St. C.	A	52	3	--	1	--	--	1	--	--	--	1
	W	11	--	--	--	--	--	--	--	--	--	--
	R	52	--	--	--	--	--	--	--	--	--	--
Pennsylvania St. U.	A	50	--	--	--	--	--	--	--	--	--	--
	W	4	--	--	--	--	--	--	--	--	--	--
	R	50	2	--	--	--	--	2	--	--	--	--
Stanford U.	A	50	1	--	--	--	--	1	--	--	--	--
	W	19	1	--	--	--	--	1	--	--	--	--
	R	50	4	1	1	--	--	2	--	--	--	2
Texas, U. of	A	53	7	--	4	--	--	--	--	1	--	2
	W	27	2	--	1	--	--	1	--	--	--	--
	R	53	--	--	--	--	--	--	--	--	--	--
Utah, U. of	A	54	1	--	1	--	--	--	--	--	--	--
	R	54	--	--	--	--	--	--	--	--	--	--
Virginia, U. of	A	54	--	--	--	--	--	--	--	--	--	--
	W	19	2	--	1	--	--	1	--	--	--	--
	R	54	1	--	--	--	--	1	--	--	--	--
Washington U.	A	51	--	--	--	--	--	--	--	--	--	--
	W	25	2	--	1	1	--	--	--	--	--	--
	R	38	--	--	--	--	--	--	--	--	--	--
Wisconsin, U. of	A	52	--	--	--	--	--	--	--	--	--	--
	R	52	1	--	--	--	--	1	--	--	--	--

CREDIT HOURS AND GRADES

UNDERGRADUATE

For each group of applicants, the number of undergraduate quarter credit hours in each subject taken before 1946, and the number taken during or since 1946 were averaged separately to the nearest hour. The average grades for undergraduate courses were computed by letting A = 4.0, B = 3.0, C = 2.0, and D = 1.0. Credit hours were averaged over the total number of applicants in each group, but grades were averaged only over those who had taken courses. A grade average following a blank in the credit hours column indicates that the average number of credits in that group was less than a half-hour per person, and subsequently rounded to zero.

The average applicant accepted at a high school teacher institute had 17 undergraduate credit hours of chemistry, 13 in physics, 21 in mathematics, 25 in education, 4 in earth sciences and 21 in biology, all with an average grade of B. Most of the education courses were taken during or since 1946.

The typical applicant who withdrew or was rejected has a substantially similar background, with a few less hours in certain subjects and slightly lower grades.

Applicants to the academic year institutes had about the same number of undergraduate credit hours but had taken most of them in all fields of study during or since 1946.

Applicants to the specialized institutes averaged up to twice as many undergraduate credit hours in their own field, and less in other fields than the averages of other applicants. Only at the two physics institutes, accepted applicants averaged fewer credit hours, even in physics.

Since the figures given for individual schools are themselves averages, there is much less variation from the figures for groups of schools than in other tables, and the group averages are fairly representative of schools in the group. It should be borne in mind that the credits are given in quarter hours, and are subject to all the shortcomings of arithmetic means.

GRADUATE

Graduate credit hour and grade averages were computed in the same manner as undergraduate averages. Most of the graduate credit hours have been earned during or since 1946, and are in the field of education. Accepted applicants to all high school institutes averaged 16 graduate credit hours in education (3 of them before 1946), 4 graduate credit hours in biology (1 of them before 1946), 3 in mathematics (1 before 1946) 1 in physics, 1 in chemistry, and less than 1 in earth sciences.

The academic year accepted applicants averaged fewer graduate credits in mathematics and education before 1946, and fewer in biology, both before and after 1946. The average number of graduate credit hours in education varies from 6 for participants at Wisconsin to 24 for participants at Stanford. At Chicago and Illinois, applicants averaged 6 graduate credit hours in mathematics; all other academic year institutes followed the group averages.

At the mathematics institutes, accepted applicants averaged less than an hour of any subject other than education and mathematics. At individual mathematics institutes, the average number of graduate credits in mathematics varied from 3 for accepted and 1 for rejected applicants at Puerto Rico Polytechnic Institute, to 17 for accepted applicants at Columbia University. At the other schools averages were closer to those for all mathematics institutes: 9, 12, and 5 graduate credit hours in mathematics for accepted, withdrawn and rejected applicants, respectively. Note that applicants who withdrew had the most, and rejected applicants the fewest credit hours.

Physics institute participants had, in addition to 20 graduate credit hours in education, an average of 2 graduate credit hours in biology and chemistry, and but 1 each in physics and mathematics. Rejected applicants averaged 2 graduate hours in physics, compared with 1 for accepted applicants. (The same discrepancy is also apparent in other tables).

TABLE IV-A

DISTRIBUTION OF UNDERGRADUATE CREDITS AND GRADES OF APPLICANTS AT ALL HIGH SCHOOL INSTITUTES BY SUBJECT

		CHEMISTRY			PHYSICS			MATHE[illegible]CS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CRE[illegible]			CREDITS			CREDITS			CREDITS		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	[illegible]	[illegible]	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
All High School Institutes	A*	9	8	3.0	7	6	3.0	11	10	[illegible]	10	15	3.1	2	2	3.1	9	12	3.1
	W	5	9	2.8	6	6	2.8	9	11	2.8	9	16	3.0	1	1	3.1	10	12	3.0
	R	4	9	2.7	4	5	2.7	8	9	2.7	9	16	3.0	1	2	3.0	7	12	2.9

* A - Accepted
W - Withdrew
R - Rejected

TABLE IV-B

DISTRIBUTION OF UNDERGRADUATE CREDITS AND GRADES OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES BY SUBJECT

		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CREDITS			CREDITS			CREDITS			CREDITS		
College or University		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Totals for Specified Institutes	A*	10	9	2.8	6	6	2.8	10	9	2.8	11	16	3.1	2	2	3.1	10	13	3.1
	W	12	10	2.6	6	6	2.6	7	8	2.5	9	15	2.8	1	1	3.0	12	12	2.8
	R	7	9	2.6	4	5	2.6	8	8	2.6	9	16	3.0	1	2	2.9	8	13	2.8
Alaska, U. of	A	8	5	2.7	4	4	2.7	8	6	2.7		1	3.0			3.0	8	11	3.0
	W	5	9	2.8	4	5	2.7	12	4	2.8							7	11	3.3
	R	5	3	2.3	1		2.6	8	1	2.4	2	1	2.9			3.0	11	9	2.8
Allegheny C.	A	9	7	2.7	3	5	2.8	7	5	2.5	5	20	3.0		2	3.0	7	22	3.1
	W	14	10	3.0	8	5	2.8	5	7	3.2	10	12	3.1	6	2	3.0	19	14	3.2
	R	7	6	2.6	8	4	2.6	7	4	2.6	10	15	2.8	2	1	3.0	11	16	2.8
American U.	A	17	10	2.6	9	6	2.7	12	5	2.7	11	10	3.0	1	1	3.2	6	9	2.7
	W	16	16	2.8	11	11	3.0	15	7	3.0	7	16	3.4	1	3	3.3	7	12	3.1
	R	9	11	2.6	6	5	2.5	7	10	2.7	13	14	3.0	1	1	2.9	10	11	2.9
Arizona, U. of	A	10	6	2.6	6	3	2.9	7	3	2.5	11	9	3.1	1	1	3.2	13	11	3.1
	W	8	6	2.7	6	6	3.0	10	7	2.5	11	12	3.2	1	4	3.5	12	16	3.2
	R	10	9	2.6	4	4	2.5	5	4	2.4	9	14	3.0	1	1	3.2	9	16	3.0
Arizona St. C.	A	4	8	2.4	4	6	2.5	5	9	2.6	5	16	3.0	1	2	2.9	6	12	2.8
	W	9	10	2.8	4	11	2.6	4	14	2.8	3	22	2.9	1	2	2.6	5	20	3.2
	R	9	7	2.7	4	4	2.7	10	6	2.5	15	15	2.9	2	2	3.1	12	14	2.9

* A - Accepted
W - Withdrew
R - Rejected

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College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CREDITS			CREDITS			CREDITS			CREDITS		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Arkansas, U. of	A	7	10	2.7	2	4	2.8	7	7	2.8	11	12	3.1	1	2	3.0	10	12	3.0
	W	10	3	3.7	13	3	3.6	22	1	3.6	22	4	3.2	2	1	4.0	11	5	3.7
	R	5	6	2.5	2	4	2.6	6	8	2.7	7	16	3.0	1	2	3.0	7	16	2.8
Atlanta U.	A	9	6	2.8	2	6	2.7	8	12	3.1	8	19	3.3	1		3.4	5	14	3.1
	W	22	15	3.0	5	4	3.3	9	8	3.1	14	19	3.0		2	3.5	18	10	3.0
	R	4	6	2.5	3	4	2.5	7	12	2.8	7	21	3.2		1	2.8	3	15	2.8
Baylor U.	A	8	7	2.6	3	3	2.5	5	5	2.6	9	17	3.1		1	2.7	9	13	3.0
	W	9	7	2.8	3	4	3.2	6	9	2.8	10	19	3.3	1	1	3.4	9	12	3.0
	R	7	9	2.0	4	4	2.3	6	4	2.0	7	12	2.5	1	1	1.9	11	10	2.3
Bucknell U.	A	8	10	2.5	4	5	2.5	6	9	2.6	7	23	2.9	2	2	2.7	8	14	2.7
	W	7	2	3.1	8	2	3.2	10	2	2.7	10	9	3.0	4		3.6	19	5	2.9
	R	12	7	2.6	8	4	2.7	13	8	2.8	9	14	3.0	8	2	2.9	14	11	2.8
California, U. of (Berkeley)	A	15	12	2.7	7	6	2.8	11	6	2.7	12	16	3.0	3	3	3.1	13	18	3.0
	W	15	14	2.8	9	6	2.8	10	7	2.7	7	15	3.1	2	3	3.1	11	17	3.0
	R	10	7	2.7	5	4	2.7	10	6	2.7	9	12	3.1	3	1	2.9	11	13	3.0
California, U. of (Los Angeles)	A	13	8	2.7	8	7	2.3	14	10	2.8	9	14	3.0	2	2	3.2	9	12	3.0
	W	11	7	2.9	8	7	3.0	12	7	2.9	11	11	3.0	1	3	3.1	11	18	3.1
	R	8	8	2.4	5	4	2.6	11	9	2.7	7	13	3.1	1	2	3.0	5	17	2.8
Clarkson C. of Tech.	A	9	7	2.7	8	5	2.6	12	8	2.9	9	11	3.0	2	2	3.1	9	9	2.9
	W	10	13	2.4	6	7	2.7	8	10	2.6	11	17	2.8	1	4	2.8	9	14	2.7
	R	7	8	2.7	7	4	2.7	12	10	2.8	6	11	3.1	1	2	3.1	4	7	2.9

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade
Colorado C.	**A**	14	4	2.7	10	5	2.8	12	7	2.8	17	7	3.0	4	1	3.1	11	5	2.9
	W	15	10	2.8	7	6	2.6	12	10	2.9	15	13	2.9	2		2.8	13	10	2.7
	R	9	8	2.5	7	4	2.6	13	6	2.5	13	16	3.0	3	2	3.1	12	11	2.7
Duke U.	**A**	7	4	2.8	4	2	2.9	6	2	2.7	10	8	3.1	2	1	3.0	10	6	3.0
	W	17	8	2.8	5	5	2.7	7	5	2.4	11	13	2.9	1	1	3.4	19	16	3.0
	R	5	5	2.7	4	2	2.5	6	4	2.7	10	10	3.0	1	1	3.0	6	6	2.8
Hawaii, U. of	**A**	9	8	2.9	4	5	2.7	5	5	2.8	11	15	3.1	1	1	3.4	14	13	3.0
	W	20	5	2.4	8	5	2.2	9	8	2.3	24	15	2.7	2	1	2.9	23	11	2.8
	R	7	11	2.6	3	7	2.5	4	5	2.4	5	17	2.9	2	2	2.8	10	17	2.8
Idaho, U. of	**A**	10	7	2.6	6	5	2.7	11	8	2.7	15	15	3.0	3	2	3.1	12	11	3.0
	W	13	9	2.8	7	8	2.7	11	9	2.8	10	21	3.0	2	2	3.0	6	14	2.9
	R	5	7	2.5	4	4	2.7	10	6	2.7	12	17	3.1	2	3	3.2	10	15	2.7
Iowa St. C.	**A**	11	10	2.7	5	8	2.7	10	12	2.6	10	15	2.9	1	2	2.7	10	12	3.0
	W	8	8	2.9	7	4	2.5	7	5	2.5	7	11	3.1	1	3	3.6	8	12	3.1
	R	5	8	2.5	3	6	2.6	7	10	2.7	8	18	2.9	1	2	2.8	9	13	2.8
Kansas St. Teachers C.	**A**	10	11	2.7	7	9	2.7	8	10	2.6	7	23	3.0	1	3	3.1	8	26	3.1
	W	8	15	3.4	3	7	3.2	6	9	2.9	8	22	3.4	1		3.5	7	25	3.3
	R	6	8	2.6	4	3	2.6	7	5	2.4	8	15	3.0	1	1	3.1	9	13	2.8
Louisiana St. U.	**A**	5	13	2.7	3	8	2.6	7	14	2.6	6	24	3.0		3	2.9	5	16	2.8
	W	4	15	2.8	3	5	3.6	7	13	2.9	8	32	3.1		1	4.0	4	12	3.2
	R	7	8	2.5	5	5	2.3	8	10	2.5	7	19	2.9	1	3	2.4	6	12	2.6

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College or University		CHEMISTRY CREDITS Pre '46	CHEMISTRY CREDITS Post '46	CHEMISTRY Avg. Grade	PHYSICS CREDITS Pre '46	PHYSICS CREDITS Post '46	PHYSICS Avg. Grade	MATHEMATICS CREDITS Pre '46	MATHEMATICS CREDITS Post '46	MATHEMATICS Avg. Grade	EDUCATION CREDITS Pre '46	EDUCATION CREDITS Post '46	EDUCATION Avg. Grade	EARTH SCIENCES CREDITS Pre '46	EARTH SCIENCES CREDITS Post '46	EARTH SCIENCES Avg. Grade	BIOLOGY CREDITS Pre '46	BIOLOGY CREDITS Post '46	BIOLOGY Avg. Grade
Marshall C.	**A**	18	12	2.6	10	10	2.6	11	9	2.5	15	16	2.9	1	2	3.0	11	11	3.1
	W	12	7	2.8	7	3	3.4	8	3	2.8	13	10	3.3		1	3.5	12	17	3.0
	R	11	7	2.4	5	3	2.4	9	5	2.2	13	11	2.8	2	2	3.0	15	9	2.8
Maryland, U. of	**A**	7	7	3.0	4	5	3.1	8	12	3.1	7	23	3.2	1	2	3.1	8	10	3.0
	W	7	9	2.8	4	7	2.8	7	8	2.9	12	17	3.1		3	3.2	8	16	3.2
	R	7	8	2.4	3	5	2.5	5	8	2.7	6	16	3.1	1	2	2.9	8	14	2.7
Michigan St. U.	**A**	10	14	2.9	5	11	2.9	11	18	3.0	9	18	3.1	1	2	3.2	4	11	3.1
	W	12	8	2.8	12	5	2.7	16	15	2.9	14	18	3.2	1	1	3.2	12	4	3.2
	R	13	11	2.8	6	7	2.7	12	12	2.8	14	19	3.1	1	1	3.3	9	8	3.0
Minnesota, U. of (Duluth)	**A**	12	6	2.6	7	5	2.6	10	5	2.6	17	14	2.8	2	1	2.9	14	10	2.8
	W	13	18	2.7	7	7	2.6	10	11	2.5	3	20	2.9	1	1	3.3	5	13	2.7
	R	7	11	2.7	5	8	2.8	10	17	2.7	9	21	3.0	1	2	2.9	6	12	2.9
Minnesota, U. of (Minneapolis)	**A**	11	11	2.8	8	7	2.7	12	12	2.7	10	18	2.9	2	2	3.0	5	10	2.9
	W	10	15	3.3	8	11	2.9	10	13	3.2	5	16	2.8	3	2	3.2	5	11	3.0
	R	5	10	2.7	2	6	2.5	4	9	2.5	5	21	2.9	1	2	2.9	6	27	2.8
Mississippi, U. of	**A**	9	8	2.6	5	5	2.8	13	9	3.0	12	18	3.1	1		3.4	6	12	3.0
	R	8	5	2.5	4	3	2.6	10	9	2.8	9	15	2.9	1	1	2.9	7	8	2.8
Missouri, U. of	**A**	10	3	3.4	8	3	3.2	11	8	3.0	10	6	3.2	1	1	3.6	8	3	3.3
	W	11	12	3.1	8	7	2.9	13	11	2.9	7	17	3.1	1	1	3.2	6	3	3.2
	R	10	9	2.5	3	7	2.6	10	12	2.6	10	12	2.8	2	2	3.0	5	8	2.9

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CREDITS			CREDITS			CREDITS			CREDITS		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Morgan St. C.	A	13	9	2.9	5	4	2.8	9	8	2.9	11	16	3.2		2	3.2	11	14	3.1
	W	11	19	2.6	3	5	3.0	11	7	3.0	12	28	3.1	2	2	3.3	13	7	3.1
	R	8	10	2.5	4	5	2.7	7	8	2.6	9	16	3.0	1	1	3.0	8	11	2.7
Murray St. C.	A	13	12	2.8	7	4	2.5	9	5	2.6	14	14	3.1	1	2	2.8	13	16	3.1
	W	17	6	2.9	9	5	3.0	7	7	2.8	19	12	3.0	2	1	3.2	26	12	3.1
	R	7	7	2.3	3	4	2.3	6	4	2.3	12	14	2.7	1	1	2.8	13	11	2.7
North Carolina C.	A	7	11	2.7	3	6	2.7	8	12	2.9	9	12	2.9	1		2.6	7	11	2.9
	W	7	14	2.7	3	11	2.8	6	23	3.0	7	16	2.9	1	2	3.0	11	8	3.0
	R	5	5	2.6	3	3	2.5	8	6	2.7	6	9	3.0	1		2.6	6	8	3.0
North Dakota, U. of	A	6	11	2.7	5	8	2.6	10	16	2.8	12	18	3.2	1	2	2.8	10	13	3.1
	W	17	9	3.0	8	8	2.8	8	11	2.8	14	19	3.1	2	2	3.0	11	6	2.9
	R	5	13	2.4	3	8	2.7	6	15	2.6	6	19	2.9	1	2	3.0	3	13	2.7
Oak Ridge Inst. of Nuclear Studies	A	27	5	3.1	18	3	3.1	20	3	2.8	15	7	3.1	2	1	3.2	9	4	3.1
	W	22	18	2.9	9	7	2.2	10	10	2.9	17	12	2.9	3	3	3.1	17	8	2.9
	R	15	9	2.8	5	6	2.6	9	7	2.6	11	10	3.1	1	2	3.0	7	12	2.9
Ohio U.	A	15	6	2.7	9	4	2.7	13	7	2.6	15	12	3.0	4	1	3.0	10	9	2.8
	W	13	12	2.9	5	7	2.7	8	11	2.8	12	12	3.0		4	3.3	13	8	3.0
	R	9	10	2.5	3	6	2.4	5	6	2.6	9	12	3.0	1	4	3.0	6	15	2.7
Ohio Wesleyan U.	A	12	10	2.8	7	7	2.8	10	9	2.6	13	15	3.0	2	2	3.0	8	10	2.9
	W	14	13	2.7	6	3	3.0	10	5	3.6	15	9	3.0	1		3.0	24	9	2.7
	R	13	8	2.8	6	6	2.8	9	8	2.7	13	16	3.1	2	2	3.0	8	10	2.8

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CREDITS			CREDITS			CREDITS			CREDITS		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Oklahoma A. & M. C.	A	4	11	3.1	4	7	2.9	9	17	3.1	6	23	3.3	1	3	3.5	6	11	3.2
	R	9	7	2.6	6	5	2.7	12	12	2.6	16	15	3.0	2	2	2.8	10	8	2.9
Oklahoma, U. of	A	7	11	2.9	3	7	2.9	7	10	2.7	9	22	3.3	1	4	3.1	9	19	3.2
	W	8	14	2.7	5	10	2.5	12	12	2.9	14	19	3.1	2	5	2.7	14	17	3.1
	R	5	12	2.6	2	7	2.5	5	7	2.5	8	19	3.1	2	4	2.9	7	16	2.9
Pennsylvania, U. of	A	10	6	2.9	8	5	2.8	14	7	3.0	15	12	3.1	2	2	3.1	11	10	3.0
	W	10	10	2.8	6	7	2.9	15	9	2.8	11	13	3.0	2	1	3.0	10	10	3.1
	R	8	8	2.5	4	4	2.8	6	7	2.6	6	19	3.0	2	2	3.2	7	15	2.8
Rensselaer Poly. Inst.	A	10	15	2.8	8	13	2.8	14	14	2.8	7	12	3.0	1	2	3.0	4	6	3.1
	W	6	16	3.0	4	7	3.3	9	17	2.8	4	10	2.6	2	1	3.0	2	11	2.8
	R	12	13	2.6	5	5	2.6	8	5	2.5	7	10	3.0	1	1	2.5	5	16	2.8
San Jose St. C.	A	11	6	2.7	5	5	2.7	7	5	2.6	7	14	3.0	3	4	3.1	18	20	3.0
	W	11	14	2.6	7	3	2.7	5	5	2.2	9	11	3.1	4	3	3.2	13	23	3.0
	R	7	9	2.6	4	5	2.5	6	7	2.7	8	21	3.0	2	1	2.8	9	15	2.9
South Dakota St. C.	A	7	11	2.6	3	6	2.8	7	10	2.6	9	19	2.8	1	1	3.1	9	15	2.9
	W	14	9	3.2	5	4	2.7	5	15	2.4	10	10	2.9				20	20	2.9
	R	8	8	2.5	4	5	2.5	10	8	2.4	9	17	2.8	2	2	2.8	10	16	2.7
South Dakota, U. of	A	10	10	2.8	5	7	2.9	9	11	2.8	11	17	2.9	1	2	3.0	7	13	2.9
	W	12	10	3.1	4	8	3.5	10	10	3.0	7	20	3.1		1	3.7	4	17	3.1
	R	5	10	2.5	3	6	2.5	7	12	2.6	6	19	2.8	1	1	2.7	4	13	2.8

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CREDITS			CREDITS			CREDITS			CREDITS		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Southern Methodist U.	A	11	8	2.5	7	3	2.8	9	6	2.5	15	15	2.9	3	1	3.1	12	13	2.9
	W	2	14	2.8		19	2.8	4	10	2.9		21	3.3		15	2.0		7	3.3
	R	6	8	2.7	3	2	2.3	7	9	2.7	10	15	3.0	1	2	3.2	8	12	2.9
Stephen F. Austin St. C.	A	10	8	2.4	4	6	2.6	7	9	2.5	12	16	2.8	2	1	2.6	9	11	2.7
	W	9	8	2.6	2	6	2.7	5	9	2.7	18	23	3.1		1	3.2	15	9	2.8
	R	3	11	2.6	1	3	2.6	4	5	2.7	10	18	3.0	1	1	2.9	7	17	2.9
Syracuse U.	A	6	10	3.0	4	6	3.0	4	8	2.8	6	19	3.0	3	4	3.1	12	16	3.1
	W	10	17	2.9	4	7	2.8	6	8	2.9	4	18	3.4	1	2	3.2	5	23	3.1
	R	7	9	2.3	4	6	2.4	3	7	2.3	13	15	2.9	1	2	2.7	20	17	2.8
Texas, U. of	A	10	6	3.0	5	4	2.9	14	9	3.0	15	13	3.2	1	2	3.0	9	8	3.0
	W	12	4	3.1	8	5	3.1	23	8	3.2	32	7	3.2			4.0	28	1	3.2
	R	1	10	2.7	3	4	2.4	7	10	2.6	9	22	2.8		2	2.8	5	10	2.7
VPI	A	10	8	2.6	5	3	2.8	10	6	2.7	16	14	3.0	2	1	3.2	12	9	2.8
	W	25	1	3.2	9		3.3	16		3.1	26		3.2	1	1	2.5	20	1	3.0
	R	6	9	2.4	3	4	2.3	3	8	2.5	8	17	3.0	1	3	2.7	8	14	2.8
Western Michigan C.	A	3	19	2.8	1	9	2.7	1	16	2.6	3	26	3.2	1	2	3.4	3	22	3.1
	R	2	12	2.4	2	4	2.0	3	10	2.5	2	25	3.1		6	2.8		21	2.7
Wyoming, U. of	A	6	12	2.7	4	6	2.6	6	9	2.4	9	18	2.9	2	3	2.7	7	13	2.8
	W	5	14	2.8	7	11	2.9	6	11	2.6	12	15	3.2	6	4	3.3	8	15	3.0
	R	11	11	2.7	7	8	2.8	10	9	2.7	9	17	3.0	2	2	3.0	7	8	2.8

TABLE IV-C

DISTRIBUTION OF UNDERGRADUATE CREDITS AND GRADES OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES BY SUBJECT

		Chemistry			Physics			Mathematics			Education			Earth Sciences			Biology		
		Credits			Credits			Credits			Credits			Credits			Credits		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Mathematics Institutes	A*	5	4	3.0	6	6	3.0	19	16	3.2	12	13	3.2	2	1	3.1	4	4	3.1
	W	6	6	3.0	6	7	3.0	19	17	3.3	11	14	3.2	2	1	3.2	4	3	3.2
	R	5	4	2.8	4	4	2.8	14	12	3.0	11	14	3.1	1	1	3.2	4	5	2.9
Physics Institutes	A	10	6	2.5	8	3	2.7	10	5	2.7	9	6	2.9	3	1	3.1	10	9	2.7
	W	4	12	2.7	4	8	2.7	5	8	2.7	4	19	3.0	1	2	3.3	3	14	3.1
	R	11	7	2.6	10	7	2.9	12	8	2.6	12	11	3.1	2	2	3.2	7	6	2.9
Chemistry Institutes	A	14	10	2.8	6	5	2.8	9	7	2.7	9	11	3.1	1	1	2.9	9	9	3.0
	W	20	9	2.8	9	4	2.8	13	6	2.7	14	13	3.1	2	1	3.1	14	8	3.0
	R	13	10	2.8	5	5	2.8	8	6	2.7	10	12	3.0	2	1	3.0	9	9	2.9
Biology Institutes	A	7	8	2.7	3	4	2.6	4	5	2.8	8	16	3.1	1	2	3.0	15	22	3.1
	W	8	10	2.7	3	5	2.6	5	8	2.7	7	18	3.0	1	3	3.1	14	26	3.0
	R	7	8	2.5	3	4	2.5	4	5	2.5	8	15	3.0	1	1	2.8	13	19	2.9
Radiation Biology Institutes	A	7	7	2.6	3	3	2.7	5	4	2.4	6	9	3.1	1	1	3.0	10	13	2.9
	W	4	15	2.4	2	14	2.8	5	11	2.6	6	17	3.2	5	2	3.1	10	26	3.0
	R	9	8	2.5	4	3	2.4	6	4	2.4	7	18	3.0	2	1	2.9	11	18	2.9
High School and College Teachers Institutes	A	10	4	2.9	11	6	3.0	19	9	3.1	12	9	3.2	2	1	3.2	9	7	3.1
	W	7	10	2.9	7	6	2.8	11	9	3.1	7	11	3.3	1	2	3.0	7	15	3.3
	R	8	6	2.8	6	6	2.7	10	12	3.0	9	12	3.1	1	1	3.1	8	8	3.0

* A - Accepted
W - Withdrew
R - Rejected

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TABLE IV-D

DISTRIBUTION OF UNDERGRADUATE CREDITS AND GRADES OF APPLICANTS AT ACADEMIC YEAR INSTITUTES BY SUBJECT

College or University		Chemistry			Physics			Mathematics			Education			Earth Sciences			Biology		
		Credits			Credits			Credits			Credits			Credits			Credits		
		Pre '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade
Totals for Academic Year Institutes	A	6	11	2.9	4	8	2.9	7	16	3.0	6	22	3.2	1	3	3.1	6	15	3.1
	W	9	10	3.0	6	8	2.9	9	17	3.0	6	22	3.2	1	2	3.2	7	16	3.1
	R	6	11	2.6	3	8	2.6	6	15	2.7	6	21	3.0	1	2	2.8	6	14	2.8
Chicago, U. of	A	2	5	3.0	3	11	2.9	11	32	3.2	5	26	3.2	1	3	2.9	1	4	2.9
	W	11	5	3.4	9	6	3.2	21	17	3.4	10	18	3.3	2	1	2.7	7	6	3.2
	R	4	4	2.4	6	4	2.5	17	14	2.8	10	16	2.9	1	1	3.1	5	4	2.6
Colorado, U. of	A	5	8	2.6	7	6	2.7	8	15	2.8	5	20	3.1	3	2	2.9	4	13	2.8
	W	10	8	2.8	7	6	2.7	10	17	3.1	6	24	3.2	2	1	2.4	11	13	3.1
	R	4	12	2.5	3	11	2.6	5	19	2.6	3	25	3.1	1	2	2.8	8	15	2.8
Harvard U.	A	12	10	2.9	5	8	2.9	8	12	3.0	7	14	3.1	3	2	3.3	8	11	3.2
	W	5	10	3.4	5	11	3.2	7	19	2.9	4	25	3.1		4	3.5	4	20	3.2
	R	8	6	2.8	4	4	2.6	5	11	2.7	7	17	3.1	1	1	2.8	6	11	3.0
Illinois, U. of	A	4	4	3.3	3	7	3.0	16	26	3.6	12	21	3.3	1	2	3.1	4	7	3.3
	W	3	17	4.0	11	12	3.8	8	38	3.7		23	3.6		3	3.0	5	11	3.8
	R	6	5	2.8	5	7	2.8	12	22	3.1	7	21	3.0		2	2.8	3	8	2.9
Michigan, U. of	A	3	10	2.8	1	10	2.9	5	20	3.1	4	23	3.2	1	2	3.1	5	12	3.1
	W	10	12	3.0	6	9	2.8	8	17	2.9	5	26	3.3		5	3.0	6	18	3.3
	R	5	14	2.7	2	10	2.6	3	17	2.7	5	25	3.0		3	2.8	5	18	3.0
North Carolina, U. of	A	5	10	2.9	3	7	3.1	7	16	3.1	7	20	3.2	1	2	3.0	4	16	3.1
	W	7	13	3.1	6	9	2.9	7	15	3.1	5	22	3.3	1	1	3.7	3	15	3.2
	R	3	14	2.7	2	8	2.6	5	18	2.7	5	23	2.9		1	3.0	5	17	2.8
Ohio St. U.	A	8	14	2.9	6	9	3.0	8	14	2.9	9	21	3.1	2	3	3.2	8	16	3.2
	W	7	10	2.9	4	7	2.9	7	18	3.0	8	21	3.1	1	3	3.4	4	16	3.0
	R	6	12	2.7	3	9	2.6	5	19	2.5	7	24	3.0	2	3	2.9	6	16	2.8

College or University		Chemistry			Physics			Mathematics			Education			Earth Sciences			Biology		
		Credits			Credits			Credits			Credits			Credits			Credits		
		Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade
Oklahoma A. & M. College	A	8	11	3.0	4	7	2.8	7	18	3.1	5	25	3.2	1	4	3.0	8	18	3.2
	W	7	10	2.8	7	6	2.8	12	16	3.2	5	22	3.0			3.5	5	23	3.1
	R	4	8	2.4	4	7	2.3	6	13	2.5	7	21	2.8	1	3	2.7	5	18	2.6
Oregon St. C.	A	6	13	2.8	4	11	2.8	6	15	2.7	2	27	3.1	2	3	3.3	6	23	3.1
	W	11	9	2.6	5	6	2.9	7	15	3.1	8	23	3.2		2	3.3	14	22	2.9
	R	8	11	2.5	5	8	2.6	6	15	2.6	4	24	2.9	2	2	2.6	6	15	2.8
Pennsylvania St. C.	A	5	10	2.8	3	8	2.8	5	14	2.8	10	24	3.1	1	4	3.1	8	13	2.9
	W	15	19	2.6	7	10	3.0	11	12	2.8	9	10	2.8	2	2	3.8	9	32	3.3
	R	7	11	2.6	3	5	2.7	6	9	2.5	12	16	2.9	3	1	3.2	10	11	2.6
Stanford U.	A	7	13	3.1	6	8	3.1	11	13	3.0	7	16	3.2	1	3	3.0	6	17	3.2
	W	12	7	3.2	8	13	3.1	17	17	2.7	9	16	3.2	2	4	3.2	9	12	3.2
	R	12	7	2.5	5	8	2.5	9	13	2.7	9	18	3.1	1	2	2.9	6	12	2.8
Texas, U. of	A	7	14	3.0	2	6	3.2	6	17	3.1	9	21	3.3		1	3.2	7	14	3.2
	W	11	11	3.0	4	8	2.8	6	17	2.9	7	22	3.3	1	2	3.2	13	16	3.1
	R	8	11	2.4	3	4	2.4	6	9	2.5	7	24	2.9	1	2	2.7	6	16	2.7
Utah, U. of	A	9	12	2.8	4	11	2.8	7	16	2.7	5	26	3.2	1	4	2.9	6	15	3.0
	R	3	10	2.5	2	10	2.7	4	18	2.6	4	25	3.1	1	3	2.8	5	18	2.8
Virginia, U. of	A	8	10	2.9	4	5	2.9	5	10	2.8	8	14	3.2		2	3.1	5	11	2.9
	W	13	11	2.9	4	4	2.6	5	15	2.9	5	24	3.1	1	3	2.9	10	15	3.1
	R	5	11	2.7	5	7	2.5	7	14	2.7	8	17	2.9	2	3	3.1	5	14	2.9
Washington U.	A	5	11	2.7	3	9	2.7	6	13	2.8	4	25	2.9	1	2	2.9	5	12	2.8
	W	9	12	3.0	5	8	2.9	7	16	3.1	4	22	3.1	1	2	3.4	5	20	3.1
	R	2	11	2.4	2	7	2.5	4	11	2.4	7	13	2.8		1	2.7	5	15	2.6
Wisconsin, U. of	A	4	14	3.2	3	10	3.0	5	19	2.9	4	25	3.3		4	3.5	2	25	3.3
	R	3	18	2.8	2	12	2.8	2	21	2.8	4	28	3.1	2	3	2.8	4	19	2.9

TABLE V-A

DISTRIBUTION OF GRADUATE CREDITS AND GRADES OF APPLICANTS AT ALL HIGH SCHOOL INSTITUTES BY SUBJECT

		Chemistry			Physics			Mathematics			Education			Earth Sciences			Biology		
		Credits			Credits			Credits			Credits			Credits			Credits		
		Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade
All High School Institutes	A*		1	3.1		1	3.3	1	2	3.4	3	13	3.5			3.3	1	3	3.4
	W		1	3.2		1	3.3	1	2	3.0	3	14	3.3		1	3.4	1	3	3.3
	R		1	3.1			3.2	1	1	3.2	2	11	3.3			3.3	1	2	3.3

*
A - Accepted
W - Withdrew
R - Rejected

TABLE V-B

DISTRIBUTION OF GRADUATE CREDITS AND GRADES OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES BY SUBJECT

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CREDITS			CREDITS			CREDITS			CREDITS		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Totals for Specified Institutes	A*	1	1	3.3		1	3.3		1	3.5	3	13	3.5			3.4	1	3	3.5
	W		1	3.1		1	3.2		1	2.6	4	13	3.1		1	3.5	2	3	3.2
	R		1	3.1			3.2		1	3.2	2	11	3.3			3.3	1	2	3.3
Alaska, U. of	A		1	2.9			2.6	1	1	3.1						3.0	1	3	3.4
	W		1	3.5		1	2.9	2	1	3.2								4	3.4
	R	1		2.9			2.7		1	3.5		2	3.2			3.0	3	1	3.3
Allegheny C.	A		1	2.5			3.0					12	3.3			4.0	2	9	3.4
	W	1	1	3.8	1		3.5				6	14	3.7			4.0	2	4	3.5
	R			2.0		1	3.8			2.8	4	11	3.1			3.0	2	2	3.1
American U.	A	1	2	3.3	2	1	3.3	1		3.0	4	16	3.3		1	4.0		1	3.4
	W	1	2	2.7	1	1	3.7				4	15	3.5			4.0	3	5	3.0
	R	2	1	2.8		1	3.4			2.8	2	12	3.3			3.3	1	2	3.2
Arizona, U. of	A		1	3.1			3.1			3.5	4	12	3.4			2.8	4	4	3.6
	W			3.5		1	3.1		1	3.5	8	12	3.4			3.0	3	9	3.5
	R		1	3.3		1	2.9			3.0	1	10	3.2			3.7	3	3	3.3
Arizona St. C.	A			2.6		1	3.3		1	3.0	1	10	3.2	1		3.0		2	3.3
	W	1		2.0	2		3.3			3.0	2	8	3.5			4.0			4.0
	R		2	2.9			3.2		1	2.7	3	14	3.2			3.8	3	5	3.4

* A - Accepted
W - Withdrew
R - Rejected

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CREDITS			CREDITS			CREDITS			CREDITS		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Arkansas, U. of	**A**			3.0			3.3			3.6	1	11	3.4			3.3	1	2	3.5
	W	1		3.0	1		3.0	2		3.6	5	6	3.4	1	1	4.0	1	5	3.6
	R			2.4			3.0			3.5	1	8	3.3			3.5	1	1	3.4
Atlanta U.	**A**		1	3.3			4.0	1	3	3.3		7	3.5					3	3.1
	W		2	2.8					4	2.6	5	10	3.7					5	2.8
	R								2	3.1	2	6	3.3					1	3.0
Baylor U.	**A**			3.1			2.8		1	3.3	3	17	3.4			3.7	1	6	3.5
	W		1	3.3			4.0		3	3.4	2	19	3.4				1	3	3.3
	R		1	3.1		1	3.3					13	3.2					1	3.1
Bucknell U.	**A**	1	1	3.0			3.7			3.0	2	11	3.3			3.0	1	2	3.4
	W		2	3.5		1	4.0		4	3.4	6	23	3.5	1		4.0			
	R	1	1	3.5		1	3.5		2	3.1	1	14	3.4			3.4	3	3	3.3
California, U. of (Berkeley)	**A**		2	3.3	1	1	3.5			3.1	2	22	3.3		1	3.5	1	6	3.3
	W	1	2	3.2		1	3.1		1	3.6	4	19	3.4		1	3.4	1	5	3.3
	R	1		3.1			3.4		1	3.3	4	15	3.3	1		3.2	1	3	3.3
California, U. of (Los Angeles)	**A**	2	2	3.3		1	2.9	1	2	2.9	4	22	3.4		1	3.4		5	3.3
	W		1	3.7		1	2.6			2.7	4	15	3.4	6	1	3.7	3	4	3.4
	R	1		2.7	1		3.1	1	1	3.2	4	11	3.3			3.3	1	5	3.2
Clarkson C. of Tech.	**A**	1		3.4		1	3.4	1	2	3.5	5	15	3.4		1	2.8		1	3.4
	W		2	3.3		2	4.0					17	3.5				3	1	3.7
	R			4.0	1		3.4		2	3.1	4	13	3.4			3.5	1	1	3.0

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade
Colorado C.	A	1		3.3	1	1	3.3	1	1	3.2	9	14	3.3		1	3.6	1	1	3.3
	W	1		3.2				2	4	2.9	5	15	3.3	1		3.5			3.8
	R			3.6			3.0		1	3.5	3	18	3.3			3.8		1	3.0
Duke U.	A			3.0			3.8			3.2	2	5	3.5			4.0	1	2	3.5
	W		1	3.0	2	1	3.4		1	4.0	6	4	3.4		1	3.5		8	3.3
	R			3.0			3.0	2	2	3.5	3	7	[illegible].2			4.0		1	3.3
Hawaii, U. of	A		2	2.9			3.4				2	5	3.4			4.0	1	3	3.4
	W	2		3.3	2	1	2.5		1	4.0	8	18	3.5	1		4.0	2	1	2.7
	R			3.3			3.0			2.5	3	14	3.2			3.5	3	4	3.3
Idaho, U. of	A	1	1	3.2			3.4			3.7	5	12	3.4			3.5	1	2	3.5
	W		1	4.0		1	3.1		3	3.0	3	16	3.5					4	3.1
	R			3.1		1	3.0	1	1	3.4	4	13	3.3			3.5	1	5	3.3
Iowa St. C.	A	1	1	3.4			3.2			3.1	3	11	3.3			3.0	1	2	3.3
	W	2		3.0	1	1	2.4		2	3.4	2	17	3.4		1	3.9	5	5	3.6
	R			3.2			2.0		1	3.2	4	7	3.3			3.0	1	1	3.4
Kansas St. Teachers Co.	A	2	1	3.5		1	3.8		1	3.3		9	3.3			4.0		7	3.6
	W			3.0		1	3.4				2	9	3.6			4.0	1		3.5
	R		1	3.6			3.2	1		3.8	2	12	3.3			3.6	2	2	3.3
Louisiana St. U.	A	1	1	3.2			3.5		1	2.7		10	3.4					1	3.4
	W											12	3.7						
	R		1	3.3			2.7			3.0	2	10	3.4			3.0	2	3	3.5

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade
Marshall C.	A			2.3		1	3.6		1	3.1	2	8	3.3			3.2	2	5	3.2
	W	1	2	2.7	1		2.5					6	3.6		1	2.0	7		3.3
	R			3.0			3.0			2.5	1	6	3.3			3.0	1	2	3.5
Maryland, U. of	A		1	3.5			2.9			3.5	1	14	3.4			3.0	1	4	3.5
	W			2.5		1	3.7	1	1	3.8	1	9	3.5			3.0	1	5	3.7
	R			2.7			2.0		2	3.3	1	8	3.3			2.7	1	1	2.7
Michigan St. U.	A		1	3.5		1	3.0		3	3.3	2	11	3.4		1	3.7			3.5
	W		1	4.0		1	4.0		1	3.5	6	16	3.6			4.0	1	2	3.4
	R	1		3.2		1	3.8		1	3.5	4	8	3.4			3.8			3.0
Minnesota, U. of (Duluth)	A			4.0			3.7			3.5	1	8	3.3			3.0			3.4
	W		1	2.0		1	4.0		1	3.0	11	13	3.2						
	R	1	1	3.0	1	1	2.7	1	1	2.9	1	13	3.4	1		3.4	2	2	3.3
Minnesota, U. of (Minneapolis)	A	1		3.2		1	3.0	1		2.8	4	14	3.3			3.5	1	1	3.3
	W								3	3.1	1	15	3.5						
	R			2.7			3.6			2.8	2	10	3.3			2.0	1	1	3.5
Mississippi, U. of	A		1	3.1			2.5		2	3.0	1	10	3.4			2.0		3	3.6
	R	1		2.7				1	1	3.3	3	10	3.4			2.5		1	3.4
Missouri, U. of	A	2		3.4		1	2.9	1		3.3	3	11	3.5			4.0	2	1	3.7
	W			4.0			4.0		1	3.6	6	14	3.5			4.0		2	4.0
	R	1	1	3.1			3.3		2	3.2	2	6	3.2			4.0		1	3.3

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade	CREDITS Pre '46	Post '46	Avg. Grade
Morgan St. C.	A	1		2.9			3.6		1	3.1	2	11	3.3			4.0		2	3.4
	W		5	3.5				2	2	3.0	6	1	3.6					1	3.0
	R		1	3.0			3.[illegible]			3.0	1	8	3.4			3.0	2	1	3.4
Murray St. C.	A		1	3.4			3.5			3.0	2	11	3.4			3.7	2	5	3.5
	W	1	1	3.5		1	3.8			4.0	6	12	3.5			4.0	6	9	3.6
	R			3.7			3.2			3.0	2	9	3.2			3.0		1	3.4
North Carolina C.	A			3.0			3.0	1	1	3.7	1	4	3.3					1	3.1
	W								6	3.4		4	3.5				9		3.6
	R			3.8			2.0		1	3.1	1	7	3.3		1	4.0		1	3.4
North Dakota, U. of	A		1	3.2		1	2.6		1	3.1	3	12	3.4			3.5	2	5	3.4
	W	2	1	3.5		1	3.3		1	2.7	4	8	3.5				1	1	2.7
	R			3.3			2.7		1	2.8	2	10	3.4			3.9			3.3
Oak Ridge Inst. of Nuclear Studies	A	6	3	3.4	3	4	3.5	1	1	3.7	8	18	3.5	2		3.2	2	1	3.5
	W	1	2	3.0	1	3	3.8		1	3.3	3	15	3.3		2	3.9		4	3.8
	R		2	3.3			3.1			3.0	2	14	3.3			3.3	1	4	3.4
Ohio U.	A	2		3.0	2		3.3	1	2	2.8	4	8	3.3	3		3.3	1	2	3.2
	W		1	2.7	1		4.0			3.0	6	11	3.7				2	1	3.7
	R	1		3.6	1	1	3.3			3.0	3	10	3.4			3.5	1	1	3.4
Ohio Wesleyan U.	A			2.9			3.1		1	2.8	3	7	3.2			3.0		1	3.1
	W										2	14	3.5						
	R	1		2.9	1	1	3.1		1	3.2	6	12	3.4			3.1	2	3	3.2

College or University		CHEMISTRY CREDITS Pre '46	CHEMISTRY CREDITS Post '46	CHEMISTRY Avg. Grade	PHYSICS CREDITS Pre '46	PHYSICS CREDITS Post '46	PHYSICS Avg. Grade	MATHEMATICS CREDITS Pre '46	MATHEMATICS CREDITS Post '46	MATHEMATICS Avg. Grade	EDUCATION CREDITS Pre '46	EDUCATION CREDITS Post '46	EDUCATION Avg. Grade	EARTH SCIENCES CREDITS Pre '46	EARTH SCIENCES CREDITS Post '46	EARTH SCIENCES Avg. Grade	BIOLOGY CREDITS Pre '46	BIOLOGY CREDITS Post '46	BIOLOGY Avg. Grade
Oklahoma A. & M. C.	A		1	3.4			3.5		3	3.6	2	21	3.5			3.0			3.1
	R			1.0	1		2.0		1	3.2	2	14	3.4		1	3.0		1	2.9
Oklahoma, U. of	A		1	2.6			2.0			4.0	2	17	3.5			3.0	2	3	3.5
	W		2	3.8					1	4.0	3	11	3.5		1	3.4		4	3.2
	R			3.8			3.3			3.2	3	12	3.3			3.0		1	3.5
Pennsylvania, U. of	A	1	1	3.6	1	1	3.1	1	1	3.2	5	15	3.2			3.5	2	2	3.3
	W		2	3.2			3.5	1	2	3.6	5	15	3.4			3.0	2	2	3.4
	R			2.5			2.7			3.3	1	13	3.2			3.0	1	1	2.7
Rensselaer Poly. Inst.	A		1	3.3	1	1	3.6		1	3.0	3	17	3.4			3.6	1	1	3.7
	W		1	3.5	1	2	3.5	1	1	3.3	6	18	3.4		1	4.0			4.0
	R	1	1	3.3		1	3.5			2.7	2	15	3.3			3.5	1	2	3.4
San Jose St. C.	A	1		2.8	1		3.1		1	3.0	3	19	3.3		1	3.5	1	6	3.5
	W	2	1	2.7		1	4.0				3	15	3.4			3.0	2	7	3.4
	R			2.3			3.4		1	3.3	2	17	3.3		1	3.1	2	3	3.3
South Dakota St. C.	A		1	3.0		1	3.4		1	3.5	1	8	3.4					3	3.2
	W						3.0					5	3.4						
	R		1	2.7			2.7		2	3.3	2	13	3.3			4.0	1	3	3.4
South Dakota, U. of	A		1	3.4			3.5	1	1	3.6	2	9	3.4			3.0	2	2	3.5
	W		2	3.3			3.0				2	5	3.5			3.0			
	R		1	2.9			4.0		1	2.9	2	6	3.2						2.7

College or University		CHEMISTRY			PHYSICS			MATHEMATICS			EDUCATION			EARTH SCIENCES			BIOLOGY		
		CREDITS			CREDITS			CREDITS			CREDITS			CREDITS			CREDITS		
		Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade	Pre '46	Post '46	Avg. Grade
Southern Methodist U.	A		1	3.7		1	3.3				1	11	3.4	1		2.1	1	2	3.0
	W											18	3.5					1	3.0
	R			3.0			4.0		1	2.9	2	11	3.3				2	2	3.4
Stephen F. Austin St. C.	A		1	2.9			3.1		1	2.9	2	18	3.3				1	2	3.4
	W								2	4.0	2	22	3.3				5	4	3.2
	R		1	3.3			3.3			3.5	2	18	3.3					2	3.6
Syracuse U.	A		1	3.5		1	3.5		1	3.6	2	14	3.4		1	3.5	1	4	3.5
	W	1	1	2.9		1	3.6		1	3.7	1	13	3.3			3.0	1		3.2
	R		2	2.7		1	3.6			3.0	1	17	3.3		1	3.2	1	4	3.5
Texas, U. of	A			3.4			3.9	1	3	3.6	3	21	3.4			4.0		2	3.6
	W			3.0	1		4.0	2	4	3.9	14	13	3.5				12	2	3.5
	R									3.3	1	10	3.4						3.5
VPI	A			3.3			3.5			2.0		10	3.4			3.8	2	2	3.5
	W										7	13	3.5				1	4	3.0
	R			3.2			3.4			2.9	2	8	3.2					2	3.6
Western Michigan C.	A			3.3		1	3.4			3.7		4	3.5			3.0		1	3.6
	R			3.0			4.0			3.8		4	3.3			4.0			3.0
Wyoming, U. of	A	1	1	3.0		1	3.0		1	3.1	2	8	3.2			3.3	1	1	3.5
	W					1	2.0					32	3.3					11	3.4
	R		2	3.4		2	3.3	1		3.3	3	13	3.4		1	3.5	1	1	3.1

TABLE V-C

DISTRIBUTION OF GRADUATE CREDITS AND GRADES OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES BY SUBJECT

		Chemistry			Physics			Mathematics			Education			Earth Sciences			Biology		
		Credits			Credits			Credits			Credits			Credits			Credits		
		Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade
Mathematics Institutes	A*			3.3			3.3	3	6	3.4	4	14	3.4			3.1			3.2
	W			3.2	1		3.1	4	8	3.4	5	16	3.5			3.5			3.0
	R			3.3			3.2	2	3	3.3	3	13	3.4			3.4		1	3.2
Physics Institutes	A	1	1	3.0		1	3.3		1	3.2	4	16	3.4			3.5	1	1	2.9
	W		3	3.0		1	3.4		1	3.7		14	3.5					2	3.4
	R		1	3.2	1	1	3.1		1	3.1	4	13	3.3	1		3.4	1	1	3.5
Chemistry Institutes	A	2	2	3.2		1	3.2		1	3.2	4	13	3.4			3.4	1	2	3.2
	W	1	2	3.2		1	3.4		1	3.2	4	18	3.5			3.3	1	2	3.4
	R	2	1	3.3	1	1	3.2			3.3	3	11	3.3			3.1	1	2	3.4
Biology Institutes	A	1		3.3		1	3.3			2.9	2	11	3.4			3.5	3	6	3.5
	W		1	3.5		1	3.5			3.0	2	12	3.4			3.3	3	12	3.4
	R		1	2.8			3.1			2.9	3	8	3.3			3.4	2	6	3.4
Radiation Biology Institutes	A			3.6			2.2			2.9	2	10	3.4			3.4		5	3.7
	W		1	3.5		3	3.1		1	4.0		17	3.6		1	3.7		11	3.5
	R	1	1	3.1			2.7			2.9	5	15	3.2			3.8	2	7	3.3
High School and College Teachers Institutes	A	1	1	3.1	1	2	3.4	4	7	3.4	4	13	3.4		1	3.5	1	3	3.4
	W	1	1	2.5		1	3.0	4	6	3.2	2	18	3.5	1		3.1	2	9	3.1
	R	1	1	3.4	1	1	3.0	2	4	3.3	3	13	3.4			3.3	2	2	3.2

* A - Accepted
W - Withdrew
R - Rejected

TABLE V-C

DISTRIBUTION OF GRADUATE CREDITS AND GRADES OF APPLICANTS AT ACADEMIC YEAR INSTITUTES BY SUBJECT

College or University		Chemistry			Physics			Mathematics			Education			Earth Sciences			Biology		
		Credits Pre. '46	Credits Post '46	Avg. Grade	Credits Pre. '46	Credits Post '46	Avg. Grade	Credits Pre. '46	Credits Post '46	Avg. Grade	Credits Pre. '46	Credits Post '46	Avg. Grade	Credits Pre. '46	Credits Post '46	Avg. Grade	Credits Pre. '46	Credits Post '46	Avg. Grade
Totals for Academic Year Institutes	A		1	3.3		1	3.3		2	3.4	1	13	3.5			3.2		2	3.4
	W		1	3.3		1	3.5		2	3.3	1	14	3.5		1	3.2		2	3.6
	R		1	3.1			3.2		1	3.3	1	10	3.3			3.2		1	3.3
Chicago, U. of	A						4.0		6	3.6		14	3.5			3.0			
	W	1	1	3.5				1	6	3.5	5	16	3.5		1	3.3	1		4.0
	R		1	3.6	1	1	3.2	1	4	3.2	2	11	3.4			4.0			3.0
Colorado, U. of	A	1	1	3.1			3.6		2	3.4	1	17	3.4			3.4		2	3.5
	W			3.0		1	3.1		1	3.3		12	3.4						3.7
	R		2	2.8		2	3.0		2	3.3		10	3.3			4.0		1	3.5
Harvard U.	A		1	3.4		1	4.0		3	3.7	2	15	3.6			3.1	1	2	3.8
	W					2	3.1		2	3.5	3	15	3.6		1	3.3		4	3.6
	R		1	2.8			3.0		1	2.8	3	19	3.4			3.0	1	1	3.4
Illinois, U. of	A			3.0			3.5	1	6	3.7	4	11	3.6			4.0			
	W		9	3.4					9	3.8		15	3.7		4	3.8		3	4.0
	R			3.5					4	3.1		8	3.5						
Michigan, U. of	A			4.0			3.0		1	3.1		10	3.5			3.8	1	1	3.5
	W	1		2.9			4.0		1	3.0	2	9	3.5		1	3.3	1		4.0
	R		1	3.7			3.3		1	3.0		11	3.2			3.0		2	3.5
North Carolina, U. of	A			4.0			2.3		1	3.6	1	7	3.5					2	3.8
	W				1	1	3.8			3.0	1	8	3.7			3.0		3	3.8
	R		1	3.5			4.0		1	3.4	1	5	3.3					1	3.3
Ohio St. U.	A		1	3.2		1	3.6	1	3	3.[illegible]	1	19	3.5		1	3.0	1	4	3.4
	W			3.3			3.7		2	3.1	[illegible]	10	3.4			3.2		1	3.5
	R			2.3						3.3	1	5	3.3			3.5			2.8

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College or University		Chemistry			Physics			Mathematics			Education			Earth Sciences			Biology		
		Credits			Credits			Credits			Credits			Credits			Credits		
		Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade	Pre. '46	Post '46	Avg. Grade
Oklahoma A. & M. C	A			3.1		1	2.8		2	3.1	1	18	3.5					2	3.3
	W		1	3.0					2	3.5		11	3.4					5	3.3
	R		1	3.2		1	2.7		1	3.2		9	3.3			3.6			3.7
Oregon St. C.	A		1	3.5		2	3.3		1	3.5		13	3.4		1	3.1		3	3.3
	W	1		4.0			4.0		1	3.0		9	3.6		1	3.5			4.0
	R		1	2.7			3.5		1	3.4	1	14	3.2			2.0		1	3.2
Pennsylvania St. C.	A		1	3.3		2	3.2			3.6	1	10	3.3			2.8	2	2	3.4
	W		1	3.0					1	3.0		15	3.5		2	3.0		4	2.6
	R			3.4		1	3.5		1	3.1	2	13	3.3			3.6	1	2	3.2
Stanford U.	A		1	3.9	1	1	3.3	1	2	3.0	5	19	3.5		1	3.4	1	3	3.4
	W	1		3.0		2	3.3		2	3.4	1	16	3.5			3.0		4	3.7
	R		1	3.3			3.4	1	2	3.6	2	16	3.5			3.0		1	3.6
Texas, U. of	A	1	2	3.2		1	3.3	1	3	3.3	1	14	3.5			3.8		4	3.7
	W		1	3.3					2	3.1	1	20	3.5					2	3.7
	R			3.1			3.7		1	3.2	1	9	3.3			3.0		1	3.1
Utah, U. of	A		1	3.2			3.3			3.7	1	12	3.4			3.4		1	3.2
	R		1	3.5		1	3.2		1	2.8	1	9	3.2			2.8		1	3.4
Virginia, U. of	A			3.5			3.5			3.4	1	14	3.4			2.5		1	3.2
	W		2	3.6		1	3.8		1	3.8		16	3.4		2	3.3		4	3.4
	R			3.4		1	3.4		1	3.6	2	8	3.3			4.0		1	3.5
Washington U.	A		1	3.3		1	3.4		2	3.2		12	3.4					1	3.1
	W			3.3			3.0			3.5		19	3.4			3.0		2	3.3
	R						2.8		1	3.3	1	8	3.2					1	2.9
Wisconsin, U. of	A			3.3			3.0		1	3.8		6	3.7			3.0		3	3.5
	R			2.8			2.5			3.5	1	8	3.4			2.5		1	3.2

MAJOR TEACHING FIELDS

The major teaching fields indicated by applicants were tallied in the following categories:

- general science only
- biology only
- chemistry only
- physics only
- mathematics only
- non-science only
- non-science and one or more sciences or mathematics
- mathematics and one or more sciences
- chemistry and physics and perhaps another non-mathematical science
- either chemistry or physics (but not both) and another non-mathematical science
- any other combination of sciences not including chemistry, physics, or mathematics

The "other combinations" are chiefly biology and general science, or (less frequently) one of these and an earth or unspecified science. Hence this last-named category is labelled "biology, general science, and other sciences" in the tables which follow.

One of these 11 categories, mathematics and science, accounts for a fourth of all applicants. This is true of all institutes, general and specialized, including the mathematics institutes. At mathematics institutes, the major teaching field of two-thirds of accepted applicants and one-half of rejected applicants was mathematics only, but this category accounts for only 10 percent of all other applicants. Still fewer, however, specified any other one subject exclusively as their major teaching field. Even at the biology institutes, less than one-third specified biology only, and among applicants to physics and chemistry institutes less than one-sixth indicated physics only or chemistry only as their major teaching field.

The academic year institutes at the University of Chicago and the University of Illinois were apparently mathematics institutes since nearly all applicants specified mathematics as a major teaching field, either exclusively or in combination with other fields.

Differences between accepted and rejected applicant groups tend to be small, except that there are generally more rejected than accepted applicants whose major teaching field is non-science and science or non-science only.

TABLE VI-A

MAJOR TEACHING FIELDS OF APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
All High School Institutes	A*	5078	242	325	475	162	417	73	540	866	1357	549	72
	W	1309	45	90	118	57	125	19	148	229	349	122	7
	R	4835	244	276	511	122	383	52	429	728	1159	783	148

Percentages

		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
All High School Institutes	A	5078	4.8	6.4	9.4	3.2	8.2	1.4	10.6	17.1	26.7	10.8	1.4
	W	1309	3.4	6.9	9.0	4.4	9.5	1.5	11.3	17.5	26.7	9.3	0.5
	R	4835	5.0	5.7	10.6	2.5	7.9	1.1	8.9	15.1	24.0	16.2	3.1

*
A - Accepted
W - Withdrew
R - Rejected

TABLE VI-B

MAJOR TEACHING FIELDS OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
Totals for	A*	2806	184	190	298	94	261	34	360	203	785	338	59
Specified	W	648	27	52	64	37	73	14	94	44	175	63	5
Institutes	R	2586	177	168	294	73	225	23	234	249	605	432	106
Alaska, U. of	A	50	1	9	--	2	5	--	4	8	12	10	--
	W	14	--	--	1	--	2	--	2	4	2	2	1
	R	28	2	3	4	--	2	--	1	3	3	9	1
Allegheny C.	A	31	4	4	6	--	2	--	2	--	7	5	1
	W	12	--	1	1	2	3	--	2	--	2	1	--
	R	32	8	4	2	1	5	1	3	--	5	2	1
American U.	A	50	1	--	2	3	6	3	18	--	14	3	--
	W	15	1	--	--	1	4	--	7	--	2	--	--
	R	51	--	1	9	1	7	1	7	1	17	7	--
Arizona, U. of	A	52	1	7	8	3	13	--	5	--	6	9	--
	W	19	--	3	5	--	1	1	3	--	3	3	--
	R	52	5	5	7	2	7	--	5	--	10	11	--
Arizona St. C.	A	49	5	2	8	1	2	1	3	5	15	7	--
	W	10	1	--	2	--	1	--	1	2	3	--	--
	R	50	2	6	3	--	5	--	7	5	8	11	--
Arkansas, U. of	A	99	10	4	18	2	11	--	9	10	19	11	5
	W	6	--	1	--	--	--	--	1	--	4	--	--
	R	99	13	8	7	1	4	--	2	13	25	19	7

* A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
Atlanta U.	A	30	--	3	2	3	3	--	1	9	9	--	--
	W	7	--	--	1	1	1	--	1	--	3	--	--
	R	30	1	2	3	--	3	--	2	9	5	4	1
Baylor U.	A	63	--	8	14	1	7	--	5	--	8	18	2
	W	25	--	2	2	1	4	--	1	2	6	5	2
	R	27	2	1	3	1	6	--	2	--	6	6	--
Bucknell U.	A	55	4	6	9	3	5	1	5	1	13	8	--
	W	7	--	--	1	--	1	--	1	1	2	1	--
	R	55	--	4	14	1	5	--	7	7	9	7	1
California, U. of (Berkeley)	A	205	19	21	20	12	26	1	29	--	54	20	3
	W	86	4	11	5	9	13	--	6	--	22	15	1
	R	129	12	20	12	6	9	--	6	6	38	17	3
California, U. of (Los Angeles)	A	104	2	12	5	11	7	2	11	21	26	7	--
	W	27	1	4	1	3	2	2	2	--	9	3	--
	R	56	1	3	9	1	3	--	1	16	14	7	1
Clarkson C. of Tech.	A	53	--	--	10	3	6	1	6	15	10	2	--
	W	15	1	--	3	2	1	--	4	--	3	1	--
	R	53	--	--	1	2	5	1	8	13	18	4	1
Colorado C.	A	53	2	5	3	3	5	2	5	3	18	6	1
	W	23	1	--	3	--	1	--	9	3	5	1	--
	R	53	7	3	6	1	3	--	5	7	13	8	--
Duke U.	A	86	2	5	13	1	7	2	4	1	13	14	24
	W	11	1	2	1	--	3	--	2	--	1	1	--
	R	69	2	1	11	--	6	--	2	7	12	10	18
Hawaii, U. of	A	68	7	5	10	3	1	2	5	2	15	14	4
	W	6	--	--	--	1	1	--	1	--	1	2	--
	R	67	7	7	12	5	5	3	6	1	7	8	6

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
Idaho, U. of	A	51	--	8	3	--	2	--	4	6	13	15	--
	W	17	--	2	--	--	--	--	3	2	4	5	1
	R	51	--	6	6	--	2	--	1	7	14	10	5
Iowa St. C.	A	58	1	3	5	1	10	--	9	3	24	2	--
	W	20	1	2	7	2	1	1	--	--	3	3	--
	R	58	2	6	6	2	4	--	--	6	13	16	3
Kansas St. Teachers C.	A	60	2	10	6	--	7	--	14	--	15	6	--
	W	9	--	1	1	--	--	--	5	--	2	--	--
	R	60	5	4	2	--	13	2	4	1	11	15	3
Louisiana St. U.	A	54	3	3	5	--	5	--	3	5	21	8	1
	W	7	--	1	1	1	--	--	1	--	2	1	--
	R	54	4	2	4	--	7	1	--	8	12	14	2
Marshall C.	A	36	1	1	2	--	3	1	7	1	18	2	--
	W	10	--	--	2	--	3	--	2	--	3	--	--
	R	36	2	1	5	--	2	--	6	--	14	4	2
Maryland, U. of	A	58	7	8	2	--	2	--	3	12	15	8	1
	W	20	--	4	2	--	1	3	4	2	4	--	--
	R	58	4	6	10	--	5	--	4	10	14	5	--
Michigan St. U.	A	56	1	--	1	5	1	--	9	7	28	3	1
	W	17	--	--	--	1	1	2	--	3	8	2	--
	R	56	3	2	--	6	1	--	9	11	12	11	1
Minnesota, U. of (Duluth)	A	75	1	3	19	1	2	2	15	1	14	17	--
	W	8	--	--	--	1	--	1	1	--	5	--	--
	R	76	2	--	5	3	1	--	10	23	23	7	2

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math	Non-Sci. Only
Minnesota, U. of (Minneapolis)	A	76	1	1	3	3	2	2	14	8	31	11	--
	W	6	--	--	--	--	1	1	1	1	2	--	--
	R	75	2	8	12	1	3	--	4	3	15	22	5
Mississippi, U. of	A	50	7	3	--	--	2	--	4	10	20	4	--
	R	50	3	1	4	1	7	--	2	11	9	12	--
Missouri, U. of	A	55	1	--	--	1	--	--	10	4	32	6	1
	W	14	1	--	--	2	--	--	1	4	6	--	--
	R	55	3	--	3	1	5	1	6	5	25	5	1
Morgan St. C.	A	59	2	2	14	4	6	2	7	7	12	3	--
	W	4	--	--	1	--	1	--	--	--	1	1	--
	R	59	6	6	8	--	4	--	6	3	16	9	1
Murray St. C.	A	67	2	10	11	4	12	--	14	1	7	6	--
	W	25	2	5	3	--	5	1	5	1	3	--	--
	R	67	4	7	11	--	6	--	2	1	12	21	3
North Carolina C	A	58	1	2	8	2	8	--	4	8	24	1	--
	W	5	--	1	--	--	--	--	1	3	--	--	--
	R	45	--	3	6	--	3	--	1	10	18	4	--
North Dakota, U. of	A	53	7	1	2	3	4	1	4	5	24	1	1
	W	14	--	--	2	2	1	--	1	1	5	2	--
	R	53	1	--	9	2	1	--	4	9	19	6	2
Oak Ridge Inst. of Nuclear Studies	A	48	1	--	1	4	4	7	16	--	13	2	--
	W	13	1	--	--	1	2	--	2	--	7	--	--
	R	48	2	3	1	5	7	1	12	2	13	2	--

College or University	No. of Applicants		Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 cr more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
Ohio U.	A	54	8	1	4	1	4	--	11	1	18	6	--
	W	18	2	--	2	1	1	1	3	--	7	1	--
	R	54	--	2	14	4	4	1	16	--	7	4	2
Ohio Wesleyan U.	A	54	4	--	3	2	3	--	16	--	18	8	--
	W	4	1	--	1	1	--	--	--	--	1	--	--
	R	54	5	--	2	2	5	1	15	--	12	8	4
Oklahoma A & M C.	A	50	2	1	5	1	6	--	1	9	19	5	1
	R	50	3	3	--	--	3	2	6	6	16	8	3
Oklahoma, U. of	A	58	15	4	9	1	6	--	2	--	15	5	1
	W	19	1	1	1	--	3	--	3	--	9	1	--
	R	58	5	3	11	1	4	--	1	--	12	20	1
Pennsylvania, U. of	A	61	1	7	7	2	9	--	11	11	10	3	--
	W	37	2	3	--	3	6	1	2	8	11	1	--
	R	61	4	2	7	3	4	1	6	7	14	11	2
Rensselaer Poly. Inst.	A	50	--	--	--	3	4	1	8	2	29	3	--
	W	10	1	--	--	1	--	--	3	--	5	--	--
	R	40	4	1	9	2	8	1	8	1	5	--	1
San Jose St. C.	A	50	14	2	10	--	2	--	3	--	9	9	1
	W	16	4	2	6	--	1	--	1	--	2	--	--
	R	50	11	3	7	1	4	--	4	--	12	6	2
South Dakota St. C.	A	40	4	1	3	--	4	--	6	2	14	5	1
	W	3	--	--	1	--	2	--	--	--	--	--	--
	R	40	2	2	5	1	3	--	1	5	11	7	3

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
South Dakota, U. of	A	51	1	4	6	--	4	1	4	3	17	9	2
	W	11	--	--	1	--	--	--	6	2	2	--	--
	R	51	4	1	6	1	3	1	3	6	18	6	2
Southern Methodist U.	A	30	--	2	7	1	6	--	4	--	8	2	--
	W	4	--	--	--	--	--	--	2	--	1	1	--
	R	30	1	2	5	1	2	--	1	5	4	6	3
Stephen F. Austin St. C.	A	50	4	4	2	2	4	1	6	--	9	14	4
	W	10	--	1	2	--	--	--	--	1	2	4	--
	R	50	2	6	5	3	7	--	3	--	11	13	--
Syracuse U.	A	78	20	7	5	2	11	1	8	2	12	10	--
	W	18	1	1	2	1	2	--	2	--	5	4	--
	R	78	19	8	12	2	6	1	11	--	10	8	1
Texas, U. of	A	68	2	1	4	--	6	--	10	16	16	13	--
	W	10	--	2	1	--	1	--	--	4	1	1	--
	R	68	4	4	1	--	11	--	2	18	11	15	2
VPI	A	60	7	3	13	--	6	--	3	3	14	9	2
	W	9	--	2	--	--	1	--	1	--	4	1	--
	R	60	4	3	6	--	4	2	6	3	14	14	4
Western Michigan C.	A	30	3	6	5	--	3	--	1	--	9	3	--
	R	30	3	5	5	1	3	--	3	--	5	3	2
Wyoming, U. of	A	60	3	1	5	--	7	--	17	2	18	5	2
	W	7	--	--	2	--	2	--	1	--	2	--	--
	R	60	1	--	4	8	8	2	13	--	13	11	--

TABLE VI-C

MAJOR TEACHING FIELDS OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES

		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
Mathematics Institutes	A	670	1	4	2	--	1	--	1	436	160	63	2
	W	183	--	--	--	--	--	--	--	125	44	14	--
	R	640	1	3	17	2	1	--	3	320	168	102	23
Physics Institutes	A	92	2	1	7	--	8	9	20	--	35	7	3
	W	24	--	--	4	--	2	--	10	--	3	5	--
	R	92	5	1	8	--	6	20	15	3	30	4	--
Chemistry Institutes	A	306	8	3	28	51	41	1	60	7	85	21	1
	W	69	--	--	3	18	7	1	15	1	19	5	--
	R	289	7	1	30	33	49	1	62	4	66	31	5
Biology Institutes	A	212	14	69	44	1	22	--	14	--	19	29	--
	W	75	1	21	22	2	12	--	7	1	4	5	--
	R	214	9	46	54	1	23	--	13	--	20	45	3
Radiation Biology Institutes	A	62	4	8	11	1	16	1	5	2	9	5	--
	W	7	--	1	2	--	1	--	2	--	1	--	--
	R	91	5	12	13	1	14	1	13	2	14	16	--
High School and College Teachers Institutes	A	151	3	12	8	--	4	24	9	51	34	5	1
	W	36	1	6	5	--	5	3	2	5	7	2	--
	R	151	--	12	10	--	9	5	8	37	45	24	1

*

A - Accepted
W - Withdrew
R - Rejected

TABLE VI-D

MAJOR TEACHING FIELDS OF APPLICANTS AT ACADEMIC YEAR INSTITUTES

		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
Totals for Academic Year Institutes	A*	779	26	38	77	15	64	4	71	167	230	81	6
	W	267	16	10	18	--	25	1	18	53	96	28	2
	R	772	40	33	85	12	56	2	81	113	211	129	10
Chicago, U. of	A	30	--	--	--	--	--	--	--	22	5	3	--
	W	17	--	--	--	--	--	--	--	11	5	1	--
	R	30	--	--	--	--	--	--	--	17	7	5	1
Colorado, U. of	A	54	--	--	8	--	7	--	5	9	16	9	--
	W	25	--	1	3	--	2	1	--	7	10	1	--
	R	54	--	2	6	--	5	2	4	11	16	8	--
Harvard U.	A	46	--	3	5	1	4	--	5	13	14	--	1
	W	17	1	--	1	--	3	--	1	3	8	--	--
	R	46	9	--	--	--	3	--	8	2	17	4	3
Illinois, U. of	A	34	--	--	--	--	--	--	--	24	6	4	--
	W	5	--	--	--	--	--	--	--	3	1	1	--
	R	34	--	--	--	--	--	--	--	14	12	8	--
Michigan, U. of	A	44	1	3	5	--	3	--	1	13	14	4	--
	W	14	1	1	--	--	1	--	2	2	7	--	--
	R	50	1	2	5	--	6	--	8	5	8	5	--
North Carolina, U. of	A	52	3	3	4	--	6	--	5	12	14	4	1
	W	14	1	--	2	--	3	--	1	2	5	--	--
	R	52	1	4	9	1	3	--	7	11	9	7	--

* A - Accepted
W - Withdrew
R - Rejected

		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.	Non-Sci. Only
Ohio St. U.	A	54	3	4	8	--	7	2	5	8	14	3	--
	W	60	4	1	3	--	3	--	2	7	23	15	2
	R	54	2	3	7	1	4	--	8	7	14	7	1
Oklahoma A. & M. College	A	49	--	2	4	--	7	--	4	11	15	6	--
	W	10	--	1	1	--	1	--	1	--	4	2	--
	R	49	--	2	10	1	4	--	4	6	11	10	1
Oregon St. C.	A	52	2	4	6	2	5	2	8	5	13	5	--
	W	11	2	--	2	--	2	--	2	1	2	--	--
	R	52	4	2	8	--	--	--	8	4	18	8	--
Pennsylvania St. U.	A	50	3	3	6	3	4	--	7	1	19	4	--
	W	4	--	--	1	--	--	--	2	--	1	--	--
	R	50	3	3	4	5	8	--	8	3	8	8	--
Stanford U.	A	50	--	5	4	1	2	--	6	14	13	5	--
	W	19	1	1	--	--	3	--	2	6	6	--	--
	R	50	2	1	3	1	6	--	4	7	13	11	2
Texas, U. of	A	53	--	1	10	3	2	--	2	5	19	11	--
	W	27	1	3	3	--	3	--	2	5	8	2	--
	R	53	4	3	5	1	4	--	5	4	14	12	1
Utah, U. of	A	54	3	4	1	2	1	--	7	6	24	6	--
	R	54	--	5	14	--	4	--	5	10	9	7	--
Virginia, U. of	A	54	6	2	5	2	6	--	4	7	17	5	--
	W	19	3	2	--	--	2	--	2	3	6	1	--
	R	54	4	--	6	--	4	--	5	5	15	15	--
Washington U.	A	51	1	1	3	--	5	--	7	5	17	9	3
	W	25	2	--	2	--	2	--	1	3	10	5	--
	R	38	2	1	4	1	2	--	2	4	13	9	--
Wisconsin, U. of	A	52	4	3	8	1	5	--	5	12	10	3	1
	R	52	8	5	4	1	3	--	5	3	17	5	1

COURSES NOW TAUGHT

Courses now taught were categorized in the same way as major teaching fields, except that there is no "non-science only" category. The percentages in each category, moreover, are so close to those for major teaching fields, that the same summary is generally true. Fewer applicants teach combinations of biology, general science and earth sciences than specified such combinations as their major teaching fields, but more teach combinations of non-science and science. The latter category comprises 18 percent, 16 percent, and 24 percent of accepted, withdrawn, and rejected applicants respectively, as compared with 11 percent, 9 percent, and 16 percent whose major teaching fields are combinations of non-science and science.

Combinations of mathematics and science are taught by about a fourth of applicants to all institutes except those specializing in biology, where only 12 percent of applicants teach mathematics and science.

Mathematics only is taught by 61 percent of applicants at mathematics institutes, 20 percent at academic year institutes, and less that 10 percent at other summer institutes. At the general summer institutes, the percentage who teach both chemistry and physics is lowest among rejected applicants and highest among those who withdrew. There is, of course, a considerable amount of variation. At Ohio University, the University of Oklahoma, and all the biology institutes, none of the applicants teaches mathematics only, whereas at Atlanta University and Clarkson College of Technology, 30 percent of accepted and rejected applicants teach mathematics only. At Clarkson, none of the applicants now teaches general science only, a category which accounts for over a third of participants at the University of Oklahoma and San Jose State College.

Very few applicants teach physics, chemistry, or biology exclusively even at the institutes which specialize in these subjects, even fewer, in fact, than the numbers who specified these subjects as their sole major teaching field.

TABLE VII-A

COURSES NOW TAUGHT BY APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
All High School Institutes	A*	5078	302	206	289	121	401	71	582	877	1327	902
	W	1309	54	63	72	48	127	23	160	232	319	211
	R	4835	299	165	312	92	364	47	423	803	1163	1167

Percentages

		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
All High School Institutes	A	5078	5.9	4.1	5.7	2.4	7.9	1.4	11.5	17.3	26.1	17.8
	W	1309	4.1	4.8	5.5	3.7	9.7	1.8	12.2	17.7	24.4	16.1
	R	4835	6.2	3.4	6.4	1.9	7.5	1.0	8.7	16.6	24.1	24.1

*
A - Accepted
W - Withdrew
R - Rejected

TABLE VII-B

COURSES NOW TAUGHT BY APPLICANTS AT SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
Totals for Specified Institutes	A*	2806	229	123	195	66	263	31	368	228	780	523
	W	648	36	33	38	33	70	15	106	42	167	108
	R	2586	219	94	174	53	213	26	227	263	649	668
Alaska, U. of	A	50	1	4	5	1	3	--	4	10	18	4
	W	14	--	--	--	--	1	--	2	2	3	6
	R	28	2	1	1	--	1	--	2	3	8	10
Allegheny C.	A	31	9	2	5	--	4	--	1	1	5	4
	W	12	--	1	--	--	4	--	--	--	2	5
	R	32	4	2	2	--	--	1	9	--	7	7
American U.	A	50	3	--	--	1	7	3	13	--	14	9
	W	15	2	--	1	2	2	--	5	--	3	--
	R	51	3	--	3	1	2	1	12	1	18	10
Arizona, U. of	A	52	3	8	7	2	8	2	3	--	9	10
	W	19	1	3	2	--	1	2	1	--	3	6
	R	52	4	3	5	3	6	--	2	1	12	16
Arizona St. C.	A	49	5	2	6	1	4	--	4	4	11	12
	W	10	1	--	2	--	2	--	1	1	1	2
	R	50	8	4	2	--	3	--	2	6	13	12
Arkansas, U. of	A	99	15	5	9	4	10	--	11	5	17	23
	W	6	--	--	1	--	1	--	1	--	3	--
	R	99	8	5	9	--	2	--	4	16	20	35

*
A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
Atlanta U.	A	30	1	1	2	2	5	--	1	10	8	--
	W	7	--	--	1	--	2	--	1	--	3	--
	R	30	1	--	2	--	--	--	2	10	5	10
Baylor U.	A	63	7	2	6	1	10	--	10	2	13	12
	W	25	2	--	1	1	5	--	2	2	6	6
	R	27	2	1	2	1	5	--	2	--	5	9
Bucknell U.	A	55	5	6	6	1	6	1	8	7	8	7
	W	7	--	--	--	--	1	--	1	2	1	2
	R	55	4	6	3	2	3	1	9	6	13	8
California, U. of (Berkeley)	A	205	27	11	15	8	19	3	24	3	58	37
	W	86	4	3	7	4	8	2	7	--	26	25
	R	129	13	4	5	3	10	2	3	4	44	41
California, U. of (Los Angeles)	A	104	2	10	2	6	14	1	10	20	24	15
	W	27	2	3	3	2	3	3	2	--	9	--
	R	56	9	1	2	--	2	--	1	15	10	16
Clarkson C. of Tech.	A	53	--	--	2	4	7	2	10	16	11	1
	W	15	--	--	--	3	2	--	6	--	1	3
	R	53	--	1	--	1	5	3	7	15	14	7
Duke U.	A	86	2	3	29	--	7	--	7	1	11	26
	W	11	1	3	2	1	1	--	2	--	1	--
	R	69	3	1	21	1	5	--	4	2	9	23
Hawaii, U. of	A	68	9	3	5	--	3	--	6	1	23	18
	W	6	1	--	--	--	--	--	3	--	2	--
	R	67	8	7	4	1	12	2	3	1	10	19

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College or University	No. of Applicants		Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
Idaho, U. of	A	51	--	12	5	1	2	--	3	6	22	--
	W	17	--	--	--	--	--	--	4	2	4	7
	R	51	2	4	4	1	1	--	1	12	10	16
Iowa St. C.	A	58	5	2	2	1	5	--	6	5	19	13
	W	20	1	2	2	2	3	--	1	--	6	3
	R	58	4	4	4	2	4	--	--	10	13	17
Kansas St. Teachers C.	A	60	3	4	5	1	7	1	10	--	22	7
	W	9	--	--	--	--	1	--	4	--	2	2
	R	60	4	3	3	--	12	--	7	1	14	16
Louisiana St. U.	A	54	5	--	1	--	6	--	3	3	18	18
	W	7	--	1	2	1	--	--	1	--	1	1
	R	54	4	2	--	2	4	1	2	7	17	15
Marshall C.	A	36	4	--	1	1	2	--	7	2	16	3
	W	10	--	--	1	--	1	--	3	1	3	1
	R	36	4	--	4	--	3	--	3	1	9	12
Maryland, U. of	A	58	7	8	4	--	1	--	--	16	16	6
	W	20	1	1	2	--	2	2	3	3	4	2
	R	58	7	3	7	--	4	1	5	11	16	4
Michigan St. U.	A	56	3	--	1	2	4	--	12	5	23	6
	W	17	--	--	--	1	--	1	1	4	4	6
	R	56	1	1	--	3	3	--	6	10	16	16
Minnesota, U. of (Duluth)	A	75	6	--	12	1	4	1	16	1	22	12
	W	8	1	--	--	--	--	--	2	--	4	1
	R	76	3	--	--	--	5	--	8	19	26	15

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
Minnesota, U. of (Minneapolis)	A	76	2	--	--	1	6	2	13	14	22	16
	W	6	--	--	--	1	--	--	1	2	2	--
	R	75	9	3	4	1	3	--	6	2	15	32
Mississippi, U. of	A	50	1	4	1	--	6	--	7	13	15	3
	R	50	6	1	3	1	2	1	4	11	6	15
Missouri, U. of	A	55	--	--	--	2	4	--	10	6	27	6
	W	14	--	--	--	1	1	1	3	2	6	--
	R	55	2	--	--	3	8	--	7	9	24	2
Morgan St. C.	A	59	4	1	8	2	8	2	7	8	9	10
	W	4	2	--	--	--	--	--	--	--	1	1
	R	59	11	7	2	--	2	--	6	4	16	11
Murray St. C.	A	67	5	5	2	3	10	--	9	1	11	21
	W	25	--	3	3	2	5	1	5	--	5	1
	R	67	8	1	8	--	6	--	6	1	14	23
North Carolina C.	A	58	2	1	1	1	2	--	8	10	22	11
	W	5	--	1	--	--	--	--	--	1	2	1
	R	45	--	--	--	--	2	--	3	11	16	13
North Dakota, U. of	A	53	2	--	--	--	2	1	7	5	22	14
	W	14	--	--	1	2	--	--	3	1	6	1
	R	53	2	--	4	1	--	--	1	5	18	22
Oak Ridge Inst. of Nuclear Studies	A	48	--	--	1	6	6	4	16	--	12	3
	W	13	--	--	--	2	4	--	3	--	4	--
	R	48	2	1	3	3	7	--	9	3	11	9

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
Ohio U.	A	54	9	--	2	--	6	--	9	--	18	10
	W	18	2	--	--	--	--	1	4	--	6	5
	R	54	7	3	7	2	6	2	15	--	8	4
Ohio Wesleyan	A	54	2	--	--	--	4	--	17	--	19	12
	W	4	--	--	--	1	--	--	1	--	1	1
	R	54	7	1	5	5	4	2	7	1	12	10
Oklahoma A & M C.	A	50	4	1	--	1	2	1	2	8	22	9
	R	50	--	2	4	--	5	1	4	9	10	15
Oklahoma, U. of	A	58	23	2	9	--	5	--	3	--	6	10
	W	19	--	1	1	--	3	--	3	--	9	2
	R	58	6	1	3	1	3	--	6	--	20	18
Pennsylvania, U. of	A	61	4	4	5	1	8	1	11	12	11	4
	W	37	--	3	1	3	6	2	5	10	7	--
	R	61	4	2	8	2	2	--	4	8	19	12
Rensselaer Poly. Inst.	A	50	2	--	--	3	6	--	9	2	22	6
	W	10	--	--	--	3	--	--	3	--	3	1
	R	40	4	1	3	2	13	1	4	--	6	6
San Jose St. C.	A	50	18	--	4	--	3	--	3	--	9	13
	W	16	10	1	2	--	--	--	--	--	2	1
	R	50	8	1	3	--	4	--	1	--	15	18
South Dakota St. C.	A	40	--	2	1	--	1	--	7	2	15	12
	W	3	--	--	--	--	1	--	--	--	1	1
	R	40	2	--	1	--	2	--	4	3	11	17

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
South Dakota, U. of	A	51	2	1	1	--	3	--	6	--	16	22
	W	11	--	--	1	--	--	--	5	1	3	1
	R	51	2	--	3	--	1	--	5	5	25	10
Southern Methodist U.	A	30	--	--	1	--	6	--	5	--	8	10
	W	4	--	--	--	--	1	--	--	--	2	1
	R	30	3	--	3	--	2	--	1	7	5	9
Stephen F. Austin St. C.	A	50	2	2	1	2	3	--	11	2	11	16
	W	10	1	1	1	--	1	--	1	--	2	3
	R	50	1	4	4	1	7	1	2	1	10	19
Syracuse U.	A	78	11	8	9	--	9	2	9	1	17	12
	W	18	1	2	1	1	3	--	4	--	2	4
	R	78	11	4	7	1	17	2	8	2	12	14
Texas, U. of	A	68	2	1	2	1	6	--	6	20	15	15
	W	10	--	1	--	--	3	--	--	4	2	--
	R	68	4	3	6	--	7	--	1	17	14	16
VPI	A	60	9	2	9	--	9	--	4	3	14	10
	W	9	1	2	--	--	1	--	1	--	3	1
	R	60	8	--	5	1	3	1	7	4	17	14
Western Michigan C	A	30	1	2	3	1	--	--	2	--	11	10
	W	30	1	--	--	--	3	--	4	--	11	11
Wyoming, U. of	A	60	1	--	2	--	9	1	12	--	23	12
	W	7	--	1	--	--	1	--	2	--	2	1
	R	60	1	2	2	8	7	2	11	2	13	12

TABLE VII-C

COURSES NOW TAUGHT BY APPLICANTS

		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
Mathematics Institutes	A*	670	2	--	4	1	1	3	1	439	134	85
	W	183	--	--	--	--	1	--	--	117	36	29
	R	640	3	--	7	1	5	--	2	352	142	128
Physics Institutes	A	92	--	--	3	--	8	6	23	--	36	16
	W	24	--	--	--	1	4	2	8	2	3	4
	R	92	10	--	3	1	9	16	13	5	17	18
Chemistry Institutes	A	306	6	1	1	39	41	2	81	7	72	56
	W	69	1	1	1	11	12	1	22	1	17	2
	R	289	7	5	14	27	38	--	68	6	77	47
Biology Institutes	A	212	18	46	41	--	17	--	18	--	20	52
	W	75	5	18	18	--	12	--	5	--	9	8
	R	214	13	41	37	2	16	--	17	--	28	60
Radiation Biology Institutes	A	62	3	5	5	2	9	1	5	--	13	19
	W	7	1	1	--	--	1	--	1	--	2	1
	R	91	9	9	6	1	15	1	5	2	12	31
High School and College Teachers Institutes	A	151	5	5	10	--	3	27	10	44	40	7
	W	36	--	2	5	--	4	5	--	6	6	8
	R	151	2	7	28	--	5	2	9	43	36	19

*
A - Accepted
W - Withdrew
R - Rejected

TABLE VII-D

COURSES NOW TAUGHT BY APPLICANTS
ACADEMIC YEAR INSTITUTES

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
Totals for Academic Year Institutes	A*	779	39	26	30	13	59	1	76	161	230	144
	W	267	11	8	10	3	22	1	18	64	79	51
	R	772	36	9	43	7	63	2	82	132	202	196
Chicago, U. of	A	30	—	—	—	—	—	—	—	23	6	1
	W	17	—	—	—	—	1	—	—	10	2	4
	R	30	—	—	—	—	—	—	1	18	3	8
Colorado, U. of	A	54	3	—	3	—	5	—	6	7	19	11
	W	25	1	1	—	—	3	—	—	4	9	7
	R	54	2	1	3	—	3	—	6	9	18	12
Harvard U.	A	46	2	4	2	—	7	1	2	16	12	—
	W	17	1	—	1	—	4	1	—	3	7	—
	R	46	4	1	1	2	2	—	6	3	16	11
Illinois, U. of	A	34	—	—	—	—	1	—	—	19	7	7
	W	5	—	—	—	—	—	—	—	3	1	1
	R	34	1	—	—	—	—	1	—	17	6	9
Michigan, U. of	A	44	1	2	1	2	2	—	3	11	13	9
	W	14	—	1	—	1	3	—	1	3	3	2
	R	50	3	—	2	—	9	1	5	3	16	11
North Carolina, U. of	A	52	3	4	—	—	7	—	4	11	13	10
	W	14	—	—	1	—	2	—	2	2	6	1
	R	52	3	—	2	—	3	—	7	10	12	15

*A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	Gen. Sci. Only	Biol. Only	Gen. Sci. Biol. & Other Sci.	Chem. Only	Chem. or Phys. & Other Sci.	Phys. Only	Chem. & Phys. & Other Sci.	Math. Only	Math. & 1 or more Sci.	Non-Sci. & 1 or more Sci. or Math.
Ohio St. U.	A	54	4	1	3	--	4	--	4	6	24	8
	W	60	3	3	5	--	5	--	5	18	18	3
	R	54	--	--	4	--	5	--	6	9	16	14
Oklahoma A. & M. College	A	49	4	1	2	--	1	--	9	11	17	4
	W	10	--	--	1	--	--	--	1	2	3	3
	R	49	2	--	2	--	3	--	7	6	10	19
Oregon St. C.	A	52	6	4	1	--	8	--	6	4	15	8
	W	11	1	--	--	--	--	--	2	1	5	2
	R	52	2	1	4	--	2	--	4	6	17	16
Pennsylvania St. C.	A	50	2	3	4	1	2	--	5	3	17	13
	W	4	1	--	--	--	--	--	1	--	2	--
	R	50	1	1	6	1	3	--	14	3	13	8
Stanford U.	A	50	--	6	3	2	4	--	4	15	15	1
	W	19	1	--	--	--	2	--	1	6	4	5
	R	50	3	1	--	1	4	--	3	12	10	16
Texas, U. of	A	53	--	--	4	2	4	--	7	6	12	18
	W	27	2	1	1	--	--	--	2	4	8	9
	R	53	5	1	2	1	5	--	4	5	11	19
Utah, U. of	A	54	3	1	2	2	2	--	4	4	17	19
	R	54	4	1	4	1	4	--	3	12	19	6
Virginia, U. of	A	54	7	--	3	3	5	--	6	10	16	4
	W	19	--	2	--	1	1	--	3	4	3	5
	R	54	3	1	3	--	6	--	6	8	7	20
Washington U.	A	51	3	--	--	1	3	--	10	7	10	17
	W	25	1	--	1	1	1	--	--	4	8	9
	R	38	--	--	3	--	3	--	1	5	14	12
Wisconsin, U. of	A	52	1	--	2	--	4	--	6	8	17	14
	R	52	3	1	7	1	11	--	9	6	14	--

AREAS OF INTEREST

Applicants were requested to specify the degree of their interest in the subjects biology, chemistry, mathematics, physics and general science, by numbering their first choice "1", second choice "2", etc. Blank lines were provided for the free addition of other areas of interest.

At each school, the ranks indicated by applicants were averaged separately for each subject, and the mean ranks are shown in the following tables. When an earth or other science was specified, ranks given were averaged over the number who specified them; mean ranks so obtained do not apply to the entire group of applicants.

At all mathematics institutes, mathematics ranked first, physics second, and biology last. Physics institutes were consistent in numbering physics first, general science fourth, and biology last. At the chemistry institutes, the mean rank of chemistry is first, but interest in other subjects varies considerably. Mean ranks for accepted applicants at biology institutes consistently place biology first, general science second, chemistry third, physics fourth, and mathematics fifth. The interests of applicants to radiation biology institutes were chiefly in biology and chemistry, in that order. The high school and college teacher institutes include the University of Washington, a physics institute, the University of Kansas, a mathematics institute, and Claremont College, a biology institute. The order of mean ranks at each of these schools is similar to the order at other schools specializing in the same subject, although these distinctions are lost in being averaged together.

At the academic year institutes, interests were diversified, showing no strong preferences at any schools except the University of Chicago and the University of Illinois, where mathematics was clearly the first choice in all groups.

At the general institutes, interests were generally fairly well diversified, with two or more subjects showing equally strong interest at nearly all schools.

Earth sciences were specified by very few applicants, less than 10 in nearly all groups. Even when specified, earth sciences generally ranked low in interest.

Differences among the three groups of applicants were small.

TABLE VIII-A

AREAS OF PROFESSIONAL INTEREST OF APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

	No. of Applicants		Areas of Interest (Mean Ranks)					
			Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science if Specified
All High School Institutes	A*	5078	3.3	2.8	3.1	2.8	3.4	3.8
	W	1309	3.4	2.7	3.0	2.7	3.5	3.6
	R	4835	3.2	3.0	3.1	3.1	3.2	3.5

* A - Accepted
W - Withdrew
R - Rejected

Footnote: Areas ranked: 1 specifies greatest interest; 5 specifies least interest.

TABLE VIII-B
AREAS OF PROFESSIONAL INTEREST OF APPLICANTS AT SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

			Areas of Interest (Mean Ranks)					
College or University		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science, if Specified
Totals for Specified Institutes	A*	2806	3.2	2.8	3.5	2.9	3.3	3.7
	W	648	3.3	2.5	3.5	2.6	3.5	3.7
	R	2586	3.1	2.9	3.4	3.1	3.0	3.3
Alaska, U. of	A	50	2.7	2.8	2.7	2.6	4.4	3.8
	W	14	3.5	2.5	2.4	2.4	4.6	2.0
	R	28	2.3	3.2	3.0	3.3	4.4	4.8
Allegheny C.	A	31	2.4	3.0	3.5	2.8	4.3	2.2
	W	12	3.3	2.2	3.8	3.0	4.3	3.2
	R	32	2.5	2.5	3.4	2.9	3.8	2.7
American U.	A	50	4.1	2.0	3.7	2.3	3.3	5.0
	W	15	4.1	1.9	3.4	1.9	3.9	5.5
	R	51	3.6	2.1	3.8	2.2	3.3	4.5
Arizona, U. of	A	52	4.3	3.7	4.5	3.9	4.4	3.8
	W	19	3.0	3.2	4.1	2.8	3.3	--
	R	52	2.9	2.4	4.1	3.6	3.5	4.2
Arizona St. C.	A	49	2.8	2.9	3.8	3.3	3.0	3.0
	W	10	3.1	3.2	2.8	2.7	3.6	4.5
	R	50	2.9	3.2	3.5	3.4	3.3	2.7

*
A - Accepted
W - Withdrew
R - Rejected

Footnote: Areas ranked: 1 specifies greatest interest; 5 specifies least interest.

College or University		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science, if Specified
Arkansas, U. of	A*	99	2.8	2.9	3.5	3.1	3.0	3.5
	W	6	2.5	2.2	3.5	1.8	4.0	--
	R	99	2.7	3.2	3.4	3.3	2.8	3.3
Atlanta U.	A	30	3.5	3.0	2.7	3.2	3.6	--
	W	7	3.9	1.6	3.7	3.3	3.1	--
	R	30	2.7	3.3	2.5	3.7	3.3	4.3
Baylor U.	A	63	2.5	2.5	4.1	3.1	3.0	5.4
	W	25	2.6	2.1	3.4	2.9	3.4	6.0
	R	27	2.8	2.5	4.0	3.1	3.0	4.2
Bucknell U.	A	55	2.6	2.9	3.5	3.2	3.2	3.7
	W	7	3.3	1.9	3.4	3.0	3.9	--
	R	55	3.1	2.9	3.2	3.1	3.1	3.8
California, U. of (Berkeley)	A	205	2.9	2.7	3.4	2.9	3.0	4.3
	W	86	3.4	2.1	3.6	2.8	3.3	3.6
	R	129	3.0	3.1	3.4	3.3	3.0	3.3
California, U. of (Los Angeles)	A	104	3.4	3.0	2.9	2.7	3.2	3.5
	W	27	3.4	2.7	3.4	2.2	3.7	4.2
	R	56	3.3	3.4	2.8	3.2	3.1	3.0
Clarkson C. of Technology	A	53	4.2	2.7	2.8	2.1	3.5	4.0
	W	15	3.5	1.9	4.1	1.9	3.7	5.0
	R	53	4.0	2.9	2.5	2.3	3.6	5.1
Colorado C.	A	53	3.5	3.1	3.5	2.8	2.8	2.8
	W	23	4.1	2.3	3.2	2.2	3.2	--
	R	53	3.2	3.0	3.6	2.9	2.7	3.2

College or University		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science, if Specified
Duke U.	A	86	2.8	3.4	3.9	3.4	3.1	2.1
	W	11	1.4	2.3	4.3	3.8	3.7	4.3
	R	69	3.4	3.4	3.5	3.4	3.0	--
Hawaii, U. of	A	68	2.6	3.1	3.4	3.3	2.7	2.8
	W	6	2.2	1.8	3.8	2.7	3.8	1.0
	R	67	2.3	3.1	4.4	3.5	2.6	3.1
Idaho, U. of	A	51	3.0	3.1	3.4	3.0	3.7	2.9
	W	17	3.7	2.6	3.0	2.4	3.8	3.3
	R	51	3.0	3.7	2.9	3.3	2.8	4.5
Iowa St. C.	A	58	3.2	2.5	3.1	3.2	3.4	3.0
	W	20	2.8	2.8	3.9	3.3	2.5	3.6
	R	58	2.6	3.3	3.0	3.8	2.9	4.0
Kansas St. Teachers C.	A	60	2.4	2.8	4.0	3.0	3.3	3.0
	W	9	2.6	2.4	3.7	2.8	3.7	4.3
	R	60	2.6	2.6	3.8	3.3	2.8	4.0
Louisiana St. U.	A	54	3.2	2.5	3.0	3.0	3.5	4.4
	W	7	2.6	2.4	3.9	3.4	3.3	4.0
	R	54	3.0	3.0	3.1	3.1	3.1	4.5
Marshall C.	A	36	4.0	2.1	3.4	2.5	3.4	4.7
	W	10	3.3	2.4	3.6	2.2	3.2	1.0
	R	36	3.4	2.8	3.7	2.9	3.0	3.6
Maryland, U. of	A	58	3.3	3.3	2.7	3.1	3.0	3.2
	W	20	3.2	3.0	3.4	2.6	3.6	4.0
	R	58	2.7	3.7	3.2	3.1	2.8	2.7

College or University		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science, if Specified
Michigan St. U	A	56	4.4	2.1	2.7	2.1	3.9	5.7
	W	17	4.1	3.2	1.9	2.7	3.7	3.0
	R	56	3.9	2.4	2.6	2.6	3.5	6.0
Minnesota, U. of (Duluth)	A	75	3.0	3.0	3.9	2.8	2.9	3.8
	W	8	3.9	1.6	3.4	2.0	3.5	--
	R	76	4.2	2.9	2.3	2.5	3.4	4.1
Minnesota, U. of (Minneapolis)	A	76	4.2	2.5	2.9	2.1	3.6	4.1
	W	6	4.0	2.8	1.8	2.8	3.5	--
	R	75	2.8	3.3	3.6	3.6	2.5	2.9
Mississippi, U. of	A	50	3.4	2.8	2.7	3.1	3.3	--
	W							
	R	50	2.9	3.2	2.8	3.3	3.4	2.6
Missouri, U. of	A	55	4.2	2.4	2.6	2.1	4.1	5.5
	W	14	4.1	2.5	2.4	2.1	3.6	--
	R	55	4.3	2.3	2.7	2.4	3.8	3.0
Morgan St. C.	A	59	3.0	2.9	3.6	3.1	3.1	3.6
	W	4	2.8	2.5	3.2	4.2	2.2	--
	R	59	2.9	3.3	3.6	3.7	2.7	3.3
Murray St. C.	A	67	2.3	2.4	4.5	3.3	3.0	3.6
	W	25	2.9	2.6	4.0	2.7	3.6	3.2
	R	67	2.4	3.1	3.8	3.6	2.5	3.8
North Carolina C.	A	58	2.7	2.6	2.7	3.6	3.4	3.5
	W	5	3.2	3.8	2.4	2.6	3.6	--
	R	45	3.0	2.8	2.2	3.7	3.3	--

College or University		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science, if Specified
North Dakota, U. of	A	53	4.1	2.8	2.6	2.0	3.8	3.3
	W	14	4.3	2.6	3.6	1.7	3.2	3.7
	R	53	4.1	2.9	2.5	2.4	3.3	3.4
Oak Ridge Inst. of Nuclear Studies	A	48	4.4	2.3	3.3	1.7	4.0	3.6
	W	13	4.1	1.8	3.3	2.2	3.8	4.5
	R	48	3.5	2.4	3.9	2.9	3.4	3.0
Ohio U.	A	54	3.8	2.4	3.9	2.8	3.1	3.4
	W	18	4.1	2.1	4.4	2.1	3.4	2.4
	R	54	3.2	2.4	3.9	3.2	3.0	2.3
Ohio Wesleyan U.	A	54	4.2	2.2	3.8	2.1	3.1	3.7
	W	4	3.0	2.5	4.0	2.8	4.0	3.5
	R	54	3.9	2.4	4.1	2.9	2.9	3.0
Oklahoma A & M C.	A	50	3.5	3.0	2.7	2.8	3.1	6.0
	W							
	R	50	3.0	3.5	2.4	2.9	3.3	3.8
Oklahoma, U. of	A	58	2.6	3.0	4.3	3.6	2.0	3.8
	W	19	2.8	2.8	4.1	2.8	3.3	3.0
	R	58	2.8	3.3	3.9	3.7	2.6	2.2
Pennsylvania, U. of	A	61	3.1	2.9	3.5	2.9	3.6	3.8
	W	37	3.2	2.6	2.8	3.0	3.7	4.0
	R	61	2.8	2.8	3.5	3.2	2.8	4.0
Rensselaer Poly. Inst.	A	50	4.3	2.2	2.8	1.7	4.1	5.1
	W	10	4.3	2.1	2.9	2.1	4.0	4.0
	R	40	3.8	1.7	3.6	2.7	3.5	3.3

College or University		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science, if Specified
San Jose St. C.	A	50	3.0	3.6	4.5	3.1	1.9	3.2
	W	16	2.8	3.4	4.6	3.3	1.4	4.0
	R	50	2.8	3.3	4.2	3.4	1.9	3.4
South Dakota St. C.	A	40	2.8	2.7	3.2	3.1	3.7	3.4
	W	3	2.0	3.3	3.7	2.0	4.0	--
	R	40	3.0	3.0	3.0	3.2	3.1	3.6
South Dakota, U. of	A	51	3.1	2.6	3.2	2.7	3.5	5.0
	W	11	3.6	2.4	3.2	1.7	3.5	4.0
	R	51	3.0	3.1	2.9	2.8	3.4	3.3
Southern Methodist U.	A	30	2.9	2.4	3.5	3.0	3.6	2.8
	W	4	4.8	1.8	3.2	1.5	4.2	4.0
	R	30	3.1	3.3	3.2	3.0	3.0	3.0
Stephen F. Austin St. C.	A	50	2.9	2.5	3.7	2.9	3.2	—
	W	10	3.6	2.3	3.8	2.7	3.0	4.7
	R	50	2.2	2.5	3.9	3.4	3.1	4.3
Syracuse U.	A	78	2.6	3.0	4.3	3.3	2.8	3.7
	W	18	2.3	2.6	4.4	3.3	3.6	3.2
	R	78	2.5	2.8	4.4	3.3	2.8	2.7
VPI	A	60	3.0	3.1	3.6	3.3	2.5	3.4
	W	9	2.6	2.6	3.3	2.9	3.0	2.0
	R	60	3.0	3.0	3.4	3.1	2.8	2.0
Western Michigan C.	A	30	2.8	3.0	3.9	3.5	2.6	3.7
	W							
	R	30	2.5	3.2	3.9	3.2	2.5	--

College or University		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science, if Specified
Wyoming, U. of	A	60	4.1	2.4	3.4	2.2	4.0	3.9
	W	7	3.6	2.3	4.3	1.7	3.6	4.7
	R	60	4.1	2.0	3.6	2.3	3.5	4.3
Texas, U	A	68	3.2	3.0	2.8	3.0	3.4	5.0
	W	10	3.6	3.0	2.6	2.2	3.6	5.0
	R	68	3.2	3.0	2.6	3.3	3.1	3.0

TABLE VIII-C
AREAS OF PROFESSIONAL INTEREST OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES

			Areas of Interest (Mean Ranks)					
		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science, if Specified
Mathematics Institutes	A*	670	4.4	3.8	1.2	2.6	3.6	3.8
	W	183	4.5	3.7	1.2	2.5	3.8	3.3
	R	640	4.2	3.8	1.3	2.9	3.4	4.0
Physics Institutes	A	92	4.1	3.0	3.2	1.5	3.8	3.9
	W	24	4.1	2.8	3.3	1.5	3.8	5.5
	R	92	4.3	3.2	3.1	1.5	3.8	3.5
Chemistry Institutes	A	306	3.4	1.4	3.6	2.9	3.8	4.4
	W	69	3.9	1.2	3.7	2.6	3.9	4.5
	R	289	3.7	1.3	3.8	2.9	3.7	4.4
Biology Institutes	A	212	1.1	3.2	4.5	4.0	2.8	3.4
	W	75	1.2	3.2	4.3	4.0	3.3	3.5
	R	214	1.4	3.3	4.4	4.0	2.7	2.8
Radiation Biology Insitutes	A	62	1.7	2.8	4.1	3.0	3.9	4.3
	W	7	2.4	2.6	2.9	3.0	3.6	2.0
	R	91	1.7	2.8	4.3	3.2	3.3	3.4
High School and College Teachers Institutes	A	151	4.0	3.7	2.4	2.2	3.7	2.7
	W	36	3.1	3.3	3.2	2.9	3.4	3.5
	R	151	3.7	3.4	2.4	2.7	3.4	3.2

*
A - Accepted
W - Withdrew
R - Rejected

Footnote: Areas ranked: 1 specifies greatest interest; 5 specifies least interest.

TABLE VIII-D

AREAS OF PROFESSIONAL INTEREST OF APPLICANTS AT ACADEMIC YEAR INSTITUTES

College or University		No. of Applicants	Areas of Interest (Mean Ranks) Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science if Specified
Totals for Academic Year Institutes	A*	779	3.3	2.9	2.7	2.8	3.4	4.2
	W	267	3.3	2.9	2.7	2.8	3.5	3.6
	R	772	3.3	2.9	2.9	3.0	3.3	4.0
Chicago, U. of	A	30	4.3	3.6	1.2	2.1	3.6	3.0
	W	17	3.9	3.8	1.1	2.5	3.9	4.0
	R	30	4.5	3.8	1.2	2.6	3.4	4.2
Colorado, U. of	A	54	3.4	3.0	2.5	3.0	3.4	4.2
	W	25	3.5	2.9	2.9	3.0	3.0	3.8
	R	54	3.5	2.6	2.6	2.8	3.6	4.4
Harvard U.	A	46	3.6	2.9	2.6	2.4	4.0	3.5
	W	17	3.4	2.9	3.1	2.6	3.7	4.5
	R	46	3.3	2.9	2.7	2.9	3.6	3.8
Illinois, U. of	A	34	4.2	3.6	1.1	3.2	3.6	4.0
	W	5	4.2	2.8	1.0	2.6	4.4	---
	R	34	4.2	3.8	1.1	2.9	3.5	4.0
Michigan, U. of	A	44	3.5	3.1	2.6	3.0	3.3	4.4
	W	14	3.1	2.9	3.1	2.8	3.6	1.0
	R	50	2.9	2.4	3.3	3.1	3.3	4.7
North Carolina, U. of	A	52	2.9	3.1	3.0	2.9	3.2	4.5
	W	14	3.2	3.2	3.1	2.4	3.5	3.5
	R	52	3.0	3.0	3.2	3.0	3.1	3.7

* A - Accepted
W - Withdrew
R - Rejected

Footnote: Areas ranked: 1 specifies greatest interest; 5 specifies least interest.

Areas of Interest (Mean Ranks)

College or University		No. of Applicants	Biology	Chemistry	Math.	Physics	General Science	Earth or Other Science if Specified
Ohio St. U.	A	54	3.2	2.6	3.0	2.7	2.9	4.9
	W	60	3.4	3.0	2.6	3.0	3.1	3.3
	R	54	3.4	2.7	3.1	2.9	3.4	3.1
Oklahoma A. & M. College	A	49	2.9	2.9	3.0	2.9	3.4	4.8
	W	10	2.6	3.3	3.5	2.6	3.2	3.0
	R	49	3.1	2.9	3.3	3.2	3.0	3.5
Oregon St. C.	A	52	3.0	3.1	3.4	2.9	3.0	4.1
	W	11	2.5	3.4	3.3	3.4	3.1	3.7
	R	52	3.4	3.0	3.0	3.2	2.8	3.9
Pennsylvania St. C.	A	50	2.9	2.6	3.5	2.9	3.4	2.8
	W	4	3.8	1.8	4.2	2.8	3.8	3.5
	R	50	3.0	2.5	3.3	3.1	3.4	3.5
Stanford U.	A	50	3.8	2.9	2.5	2.7	3.6	3.4
	W	19	3.5	2.7	2.4	2.5	3.8	---
	R	50	3.3	2.8	2.6	3.0	3.5	4.3
Texas, U. of	A	53	3.1	2.5	2.7	3.0	3.7	3.5
	W	27	3.0	2.6	3.1	3.1	3.6	3.0
	R	53	3.1	2.9	2.8	3.2	3.2	4.2
Utah, U. of	A	54	3.5	2.9	2.7	2.6	3.3	3.4
	R	54	3.3	3.1	3.0	3.0	3.1	4.0
Virginia, U. of	A	54	3.3	2.4	2.9	2.9	3.4	4.5
	W	19	3.2	2.5	2.5	2.8	3.7	5.3
	R	54	3.1	2.8	3.3	3.0	3.2	3.2
Washington U.	A	51	3.5	2.9	2.6	2.9	3.5	4.5
	W	25	3.7	2.9	2.8	3.0	3.6	4.0
	R	38	2.7	3.0	3.2	3.4	3.0	3.0
Wisconsin, U. of	A	52	3.1	2.9	3.1	2.8	3.0	4.7
	R	52	3.4	2.7	3.1	2.8	3.2	3.2

EMPLOYMENT RECORD

Applicants to the academic year institutes were, as a group, the youngest, with an average employment record of about 11 years: 6 years teaching science, 0.4 years in science (non-teaching), and 5 years in non-scientific pursuits.

At the general institutes, the average employment record of accepted applicants included 9 years teaching science, 0.4 years in science (non-teaching), and 4.5 years not in the scientific field. The applicants who withdrew had been employed for an average of 0.7 years in scientific (non-teaching) work. Rejected applicants had taught science for only 8 years and worked elsewhere for 5 years, on the average.

Applicants to the specialized institutes had the longest employment record, averaging over 10 years of science teaching and nearly 4 years of non-scientific work, in addition to a half year of non-teaching scientific experience. At mathematics institutes, however, non-teaching scientific work averaged less than 0.2 years per applicant, probably reflecting the fact that college mathematics departments need no laboratory assistants.

Although there were a few where deviation of one or more groups was considerable, the corresponding data at most schools did not differ much from the averages given above.

TEACHING EXPERIENCE

The applicants to the academic year institutes averaged between 5 and 11 years of high school teaching experience and less than half a year of college teaching experience. At most schools in this group rejected applicants averaged about a year less high school teaching experience than accepted applicants. The average for all academic year institutes is 6.8, 6.6, and 6.1 years of high school teaching experience for accepted, withdrawn, and rejected applicants, respectively, and 0.3 years of college teaching experience.

Applicants to summer institutes averaged 6 to 12 years of high school teaching experience and 0.1 to 0.9 years of college teaching experience at most schools, the averages being 9 years and 0.3 years among the general institutes and slightly higher among the specialized institutes. There was no overall pattern of differences between accepted and either rejected or withdrawn applicants.

TABLE IX-A

TOTAL EMPLOYMENT AND TEACHING EXPERIENCE OF APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

			Total Employment Record				
			Employment Record (Years/Person)			Teaching Experience (Years/Person)	
		No. of Applicants	Science Teaching	Science Non-Teaching	Non-Science	High School	College
All High School Institutes	A*	5078	9.1	0.4	4.4	9.1	0.5
	W	1309	9.0	0.6	4.4	9.0	0.4
	R	4835	8.3	0.4	4.8	8.6	0.4

* A - Accepted
W - Withdrew
R - Rejected

TABLE IX-B

TOTAL EMPLOYMENT AND TEACHING-EXPERIENCE OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	Total Employment Record				
			Employment Record (Years/Person)			Teaching Experience (Years/Person)	
			Science Teaching	Science Non-Teaching	Non-Science	High School	College
Totals for Specified Institutes	A*	2806	8.9	0.4	4.5	9.0	0.3
	W	648	9.2	0.7	4.3	9.3	0.3
	R	2586	8.1	0.3	5.0	8.6	0.3
Alaska, U. of	A	50	8.4	0.4	2.9	9.0	0.2
	W	14	6.0	1.9	5.8	10.0	0.4
	R	28	11.4	--**	6.5	14.0	1.2
Allegheny C.	A	31	6.5	0.9	6.8	5.8	0.7
	W	12	10.6	1.5	4.6	8.7	1.2
	R	32	9.0	0.5	4.5	9.0	0.2
American U.	A	50	10.4	1.0	3.6	10.9	0.6
	W	15	9.0	1.3	6.7	9.7	0.6
	R	51	7.3	0.2	5.8	9.4	0.3
Arizona, U. of	A	52	9.5	0.4	3.6	9.3	0.5
	W	19	9.1	--	5.5	9.4	0.3
	R	52	9.3	0.1	6.3	9.4	0.6
Arizona St. C.	A	49	5.1	1.3	5.5	4.3	0.1
	W	10	5.6	--	4.5	5.9	--
	R	50	9.6	0.3	4.3	9.3	0.4
Arkansas, U. of	A	99	8.4	0.1	5.1	8.3	0.2
	W	6	9.8	--	8.7	11.0	0.2
	R	99	5.5	0.2	5.3	7.8	0.2

* A - Accepted
W - Withdrew
R - Rejected

** less than 0.05

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College or University		No. of Applicants	Employment Record (Years/Person)			Teaching Experience (Years/Person)	
			Science Teaching	Science Non-Teaching	Non-Science	High School	College
Atlanta U.	A	30	9.5	—	2.4	8.8	0.6
	W	7	8.0	0.3	7.4	7.0	0.4
	R	30	5.7	—	4.6	7.0	0.3
Baylor U.	A	63	9.1	0.2	4.4	9.9	0.2
	W	25	6.9	1.8	4.3	6.5	0.3
	R	27	7.3	0.2	6.8	7.3	—
Bucknell U.	A	55	6.9	0.3	4.0	6.9	0.1
	W	7	12.1	—	7.3	9.7	0.1
	R	55	9.8	0.2	4.1	10.6	0.3
California, U. of (Berkeley)	A	205	9.0	0.8	4.8	8.6	0.3
	W	86	9.6	0.8	4.5	9.2	0.2
	R	129	9.8	0.5	6.4	10.5	0.5
California, U. of (Los Angeles)	A	104	8.9	0.6	4.7	8.3	0.3
	W	27	8.2	0.8	2.6	9.7	0.3
	R	56	8.4	0.9	5.3	8.4	0.7
Clarkson C. of Technology	A	53	10.8	0.4	3.8	11.1	0.6
	W	15	6.0	0.2	4.4	7.1	0.3
	R	53	11.2	0.3	4.9	10.3	0.6
Colorado C.	A	53	13.4	0.4	5.0	13.8	0.4
	W	23	11.2	0.5	5.6	10.2	0.2
	R	53	9.1	0.6	6.0	9.4	0.4
Duke U.	A	86	8.1	—	9.8	8.3	0.9
	W	11	10.6	0.4	2.3	10.8	0.3
	R	69	7.0	—	6.4	7.0	0.3
Hawaii, U. of	A	68	9.4	0.1	3.3	9.6	0.7
	W	6	10.7	3.3	1.5	10.0	0.5
	R	67	7.7	0.2	3.7	6.8	0.6

College or University		No. of Applicants	Employment Record (Years/Person)			Teaching Experience (Years/Person)	
			Science Teaching	Science Non-Teaching	Non-Science	High School	College
Idaho, U. of	A	51	9.0	0.3	4.7	10.3	0.1
	W	17	6.7	0.6	4.4	7.8	0.5
	R	51	9.9	0.2	5.3	10.8	0.2
Iowa St. C.	A	58	8.1	0.4	4.8	10.2	0.6
	W	20	7.8	0.5	4.4	7.2	0.7
	R	58	7.3	0.2	6.4	7.7	0.5
Kansas St. Teachers C.	A	60	7.2	0.2	4.2	7.7	0.4
	W	9	9.8	1.7	1.6	6.0	0.3
	R	60	7.7	0.2	2.2	9.7	0.3
Louisiana St. U.	A	54	6.9	0.3	4.1	6.8	0.1
	W	7	5.6	0.1	4.9	4.6	—
	R	54	8.9	0.3	3.7	9.8	0.3
Marshall C.	A	36	11.6	0.6	3.9	10.5	0.1
	W	10	13.1	1.9	2.7	14.2	0.5
	R	36	9.5	0.1	6.8	9.2	0.1
Maryland, U. of	A	58	7.8	0.7	3.6	8.4	0.1
	W	20	9.6	0.4	4.0	8.6	1.0
	R	58	7.1	0.9	5.0	7.5	0.2
Michigan St. U.	A	56	7.1	0.3	4.4	7.4	0.2
	W	17	6.8	0.5	3.7	8.1	0.9
	R	56	10.5	0.1	4.8	10.1	0.5
Minnesota, U. of (Duluth)	A	75	13.0	0.1	4.9	12.5	0.5
	W	8	10.5	1.0	4.8	11.4	0.2
	R	76	8.5	0.6	4.6	8.4	0.5

College or University		No. of Applicants	Employment Record (Years/Person)			Teaching Experience (Years/Person)	
			Science Teaching	Science Non-Teaching	Non-Science	High School	College
Minnesota, U. of (Minneapolis)	A	76	10.0	0.1	5.1	11.4	0.2
	W	6	6.8	—	4.7	9.8	—
	R	75	6.4	0.6	5.1	6.7	0.2
Mississippi, U. of	A	50	8.3	0.1	1.7	9.0	0.1
	W						
	R	50	9.2	0.2	4.4	9.4	0.2
Missouri, U. of	A	55	10.5	0.1	6.1	10.5	0.3
	W	14	7.8	0.4	4.1	9.4	0.4
	R	55	8.2	0.6	6.4	9.1	0.6
Morgan St. C.	A	59	7.3	0.4	4.0	7.2	0.5
	W	4	8.2	—	3.2	5.2	—
	R	59	6.9	0.2	6.1	6.9	0.5
Murray St. C.	A	67	9.6	0.4	4.9	9.7	0.3
	W	25	11.6	0.9	4.6	11.7	0.5
	R	67	8.6	0.1	3.7	7.9	0.1
North Carolina C.	A	58	9.1	0.2	2.1	9.2	0.1
	W	5	7.8	—	5.8	7.8	—
	R	45	9.1	—	2.6	8.8	0.2
North Dakota, U. of	A	53	9.6	0.3	3.1	9.7	0.2
	W	14	11.1	0.1	3.5	9.7	0.1
	R	53	6.2	0.1	4.6	7.1	0.1
Oak Ridge Inst. of Nuclear Studies	A	48	13.6	0.1	2.9	13.2	0.9
	W	13	9.1	0.4	4.8	11.6	0.4
	R	48	10.0	1.4	4.9	10.1	0.5

College or University		No. of Applicants	Employment Record (Years/Person)			Teaching Experience (Years/Person)	
			Science Teaching	Science Non-Teaching	Non-Science	High School	College
Ohio U.	A	54	11.9	0.3	4.2	12.9	0.1
	W	18	12.0	0.2	3.1	13.3	0.1
	R	54	7.9	0.1	5.4	9.3	0.1
Ohio Wesleyan U.	A	54	9.6	0.6	5.0	9.6	0.1
	W	4	14.5	—	5.8	12.5	—
	R	54	8.8	0.7	6.8	9.3	0.3
Oklahoma A & M C.	A	50	7.7	0.3	5.3	7.7	0.3
	W						
	R	50	8.3	—	7.0	9.3	0.5
Oklahoma, U. of	A	58	6.9	1.1	4.6	6.9	0.5
	W	19	7.7	0.2	2.5	8.9	0.3
	R	58	8.5	0.4	4.9	8.7	0.4
Pennsylvania, U. of	A	61	10.3	0.2	3.6	10.0	0.5
	W	37	11.5	1.8	4.0	11.1	0.5
	R	61	7.6	0.6	4.8	8.1	0.2
Rensselaer Poly. Inst.	A	50	8.7	0.5	5.1	7.9	0.6
	W	10	9.2	0.6	6.0	9.8	—
	R	40	8.8	0.2	3.6	8.3	0.2
San Jose St. C.	A	50	8.5	0.5	6.3	9.5	—
	W	16	8.1	0.8	4.4	8.2	0.1
	R	50	8.3	0.2	5.4	8.2	0.5
South Dakota St. C.	A	40	8.6	0.1	3.5	7.8	0.1
	W	3	9.7	—	2.0	9.3	—
	R	40	6.1	0.5	4.4	8.5	0.1

College or University		No. of Applicants	Employment Record (Years/Person)			Teaching Experience (Years/Person)	
			Science Teaching	Science Non-Teaching	Non-Science	High School	College
South Dakota, U. of	A	51	8.5	0.4	5.0	9.3	0.1
	W	11	9.7	0.5	1.2	9.7	—
	R	51	8.0	0.1	3.6	8.6	0.1
Southern Methodist U.	A	30	8.1	1.7	4.4	8.1	0.1
	W	4	3.8	1.5	5.2	3.8	—
	R	30	7.9	0.6	4.3	8.3	0.1
Stephen F. Austin St. C.	A	50	7.2	0.5	6.0	6.8	0.3
	W	10	7.3	0.2	6.7	8.4	—
	R	50	7.7	1.[illegible]	4.0	8.2	0.1
Syracuse U.	A	78	7.1	0.1	4.0	6.6	0.2
	W	18	5.3	0.4	4.0	4.4	1.0
	R	78	7.2	0.2	4.8	7.8	0.4
VPI	A	60	11.0	0.3	4.7	11.8	0.3
	W	9	16.7	0.1	4.0	16.9	0.2
	R	60	5.8	0.2	4.0	6.4	0.2
Western Michigan C.	A	30	2.2	0.2	3.5	2.1	—
	W						
	R	30	4.5	—	3.7	4.4	—
Wyoming, U. of	A	60	8.2	0.5	4.1	8.1	—
	W	7	8.7	—	2.7	8.7	—
	R	60	9.4	0.8	4.7	10.3	0.8
Texas, U. of	A	68	9.5	0.2	5.0	9.8	0.6
	W	10	11.3	0.4	5.6	11.7	0.1
	R	68	6.4	0.2	5.7	6.7	0.2

TABLE IX-C
TOTAL EMPLOYMENT AND TEACHING EXPERIENCE OF APPLICANTS AT SPECIFIED SUMMER INSTITUTES

Total Employment Record

		No. of Applicants	Employment Record (Years/Person)			Teaching Experience (Years/Person)	
			Science Teaching	Science Non-Teaching	Non-Science	High School	College
Mathematics Institutes	A*	670	11.5	0.2	3.9	11.5	0.6
	W	183	11.9	0.1	3.8	11.6	0.4
	R	640	9.8	0.2	5.0	10.2	0.4
Physics Institutes	A	92	9.4	0.5	5.8	9.9	0.6
	W	24	6.3	-- **	4.7	6.2	0.1
	R	92	11.1	0.4	4.5	10.6	0.7
Chemistry Institutes	A	306	10.8	0.6	3.6	10.8	0.5
	W	69	9.6	0.6	4.4	10.6	0.1
	R	289	10.6	0.5	4.9	11.2	0.4
Biology Institutes	A	212	8.4	0.4	3.9	8.2	0.5
	W	75	9.8	0.5	3.6	9.1	0.5
	R	214	9.3	0.3	1.8	9.5	0.5
Radiation Biology Institutes	A	62	7.7	0.5	5.0	7.7	0.7
	W	7	6.7	1.1	4.3	6.7	0.3
	R	91	8.3	0.9	4.0	8.0	0.4
High School and College Teachers Institutes	A	151	12.5	0.9	2.8	8.6	4.7
	W	36	8.9	0.6	4.6	8.1	1.4
	R	151	9.8	0.5	3.4	8.2	2.3

* A - Accepted
W - Withdrew
R - Rejected

** less than 0.05

TABLE IX-D

TOTAL EMPLOYMENT AND TEACHING EXPERIENCE OF APPLICANTS AT ACADEMIC YEAR INSTITUTES

Total Employment Record

College or University		No. of Applicants	Employment Record (Years/Person) Science Teaching	Science Non-Teaching	Non-Science	Teaching Experience (Years/Person) High School	College
Totals for Academic Year Institutes	A*	779	6.5	0.4	4.9	6.8	0.2
	W	267	6.3	0.4	5.0	6.6	0.3
	R	772	5.9	0.4	4.9	6.1	0.2
Chicago, U. of	A	30	6.7	0.2	5.0	7.2	---
	W	17	9.4	0.1	6.2	9.5	1.0
	R	30	10.8	-- **	3.8	11.3	0.1
Colorado, U. of	A	54	6.3	0.5	5.4	6.7	0.5
	W	25	5.8	0.2	6.6	5.9	0.1
	R	54	5.6	0.1	5.0	5.6	0.1
Harvard U.	A	46	7.5	0.1	5.6	7.2	0.2
	W	17	6.3	0.4	5.1	6.2	1.1
	R	46	7.2	0.4	4.4	6.7	0.1
Illinois, U. of	A	34	6.5	0.2	4.0	8.3	0.2
	W	5	6.2	---	3.8	5.2	0.4
	R	34	6.8	---	4.7	6.9	0.2
Michigan, U. of	A	44	5.2	0.1	5.5	5.3	0.5
	W	14	6.6	0.1	3.6	6.9	0.2
	R	50	5.3	0.4	4.3	5.2	0.1
North Carolina, U. of	A	52	6.6	0.5	3.7	6.6	0.2
	W	14	7.3	0.2	4.7	6.9	0.2
	R	52	4.9	0.4	3.6	4.9	0.1

* A - Accepted
W - Withdrew
R - Rejected

** less than 0.05

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Total Employment Record

College or University		No. of Applicants	Employment Record (Years/Person) Science Teaching			Teaching Experience (Years/Person) High School	
			Science Teaching	Science Non-Teaching	Non-Science	High School	College
Ohio St. U.	A	54	7.9	0.4	5.8	7.6	0.1
	W	60	6.3	0.4	4.2	7.1	0.2
	R	54	3.9	0.3	5.9	4.8	0.1
Oklahoma A. & M. College	A	49	5.3	0.4	4.6	5.5	0.1
	W	10	6.3	0.3	4.6	7.2	---
	R	49	5.9	0.1	5.5	6.2	0.2
Oregon St. C.	A	52	6.1	0.7	4.7	6.3	---
	W	11	7.2	---	4.5	7.2	0.2
	R	52	5.7	0.7	4.8	5.6	0.1
Pennsylvania St. U.	A	50	7.0	0.3	5.2	7.0	---
	W	4	5.8	2.8	3.0	5.8	---
	R	50	6.2	0.9	4.8	7.2	0.5
Stanford U.	A	50	8.0	4.6	7.0	8.8	0.1
	W	19	7.2	1.1	5.2	7.3	0.1
	R	50	7.7	0.1	4.7	8.2	0.3
Texas, U. of	A	53	5.4	0.4	5.4	5.7	0.3
	W	27	4.9	0.6	4.7	5.1	0.1
	R	53	5.2	1.2	5.0	4.9	0.4
Utah, U. of	A	54	5.5	0.8	6.6	6.2	0.2
	R	54	5.0	0.1	5.0	5.2	0.3
Virginia, U. of	A	54	7.3	0.6	3.4	8.0	0.3
	W	19	6.4	0.7	7.3	6.2	0.1
	R	54	5.9	0.8	5.9	6.2	0.1
Washington U.	A	51	6.4	0.1	3.1	6.6	0.1
	W	25	5.1	0.6	5.0	5.1	0.2
	R	38	5.0	0.4	6.1	5.2	0.1
Wisconsin, U. of	A	52	5.8	0.2	3.5	6.0	0.1
	R	52	5.7	0.7	4.6	5.4	0.2

PREVIOUS INSTITUTE ATTENDANCE

Approximately 80 percent of applicants in most groups had never attended similar institutes before. The percentages at individual schools vary from 58 percent (33 of 57 rejected applicants at the University of Vermont, a physics institute) to 100 percent (Western Michigan College), but large deviations from the average are rare.

About 2 percent of applicants to summer institutes and 4 percent of applicants to academic year institutes had previously participated in summer institutes sponsored by the National Science Foundation; the balance had attended other summer programs. Low percentages of applicants without previous institute experience are generally accompanied by higher percentages who were participants in programs sponsored by institutions other than the National Science Foundation, there being very little variation in the number who had attended National Science Foundation sponsored institutes. The only significant exception was Marshall College where 9 of 36 accepted applicants had attended previous National Science Foundation summer programs.

EXTRACURRICULAR ACTIVITIES

Extracurricular activities listed by applicants were classified as "science" activities if they related to or involved one of the sciences, and "non-science" if they did not. The number of applicants who sponsor science activities only, non-science activities only, both science and non-science activities, or no activities at all were tallied.

The patterns of applicants' extracurricular activity vary considerably from one school to another. Non-science activities only are sponsored by 30 percent to 60 percent, representing the highest proportion of applicants at most schools. Both science and non-science activities are sponsored by 10 percent to 50 percent; science activities only by 10 percent to 30 percent; and no activities at all by 5 percent to 40 percent.

Among the rejected applicants, there was, in general, a slightly higher percentage who sponsored no activities and proportionately fewer who sponsored both science and non-science activities. The reverse was true of applicants who withdrew, there being proportionately fewer who sponsored no activities and more who sponsored both science and non-science extracurricular activities.

TABLE X-A

DISTRIBUTION OF PREVIOUS ATTENDANCE AT SCIENTIFIC INSTITUTES AND TYPES OF EXTRACURRICULAR ACTIVITIES AMONG APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

			Previous Institute Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons)			
		No. of Applicants	None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
All High School Institutes	A*	5078	4112	118	848	770	734	2269	1305
	W	1309	1028	42	239	131	209	544	425
	R	4835	4007	116	712	887	677	2228	1043

			Percentages			Percentages			
All High School Institutes	A	5078	81.0	2.3	16.7	15.1	14.4	44.8	25.7
	W	1309	78.5	3.2	18.3	10.0	16.0	41.5	32.5
	R	4835	82.9	2.4	14.7	18.3	14.0	46.1	21.6

* A - Accepted
W - Withdrew
R - Rejected

			Previous Institutes Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons)			
College or University		No. of Applicants	None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
Atlanta U.	A	30	25	--	5	4	5	9	12
	W	7	4	--	3	--	1	2	4
	R	30	26	--	4	4	1	16	9
Baylor U.	A	63	56	2	5	12	5	28	18
	W	25	20	1	4	1	3	9	12
	R	27	21	--	6	3	4	12	8
Bucknell U.	A	55	47	3	5	6	7	25	17
	W	7	5	--	2	2	--	4	1
	R	55	43	4	8	8	10	19	18
California, U. of (Berkeley)	A	205	175	6	24	27	49	66	63
	W	86	65	7	14	5	14	23	44
	R	129	107	1	21	21	32	48	28
California, U. of (Los Angeles)	A	104	78	2	24	13	22	36	33
	W	27	23	--	4	1	5	12	9
	R	56	48	1	7	11	17	13	15
Clarkson C. of Tech.	A	53	43	--	10	15	5	19	14
	W	15	12	--	3	2	5	5	3
	R	53	39	--	14	14	9	19	11
Colorado C.	A	53	46	--	7	8	9	21	15
	W	23	23	--	--	3	2	12	6
	R	53	48	--	5	9	10	21	13
Duke U.	A	86	61	--	25	32	10	27	17
	W	11	9	--	2	--	3	4	4
	R	69	60	1	8	28	7	25	9
Hawaii, U. of	A	68	52	2	14	21	6	30	11
	W	6	4	1	1	--	3	1	2
	R	67	55	1	11	9	14	27	17

14-A

14-B

TABLE X-B

DISTRIBUTION OF PREVIOUS ATTENDANCE AT SCIENTIFIC INSTITUTES AND OF TYPES OF EXTRACURRICULAR ACTIVITIES AMONG APPLICANTS AT SPECIFIED SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	Previous Institute Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons)			
			None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
Totals for Specified Institutes	A*	2806	2333	58	415	424	413	1206	763
	W	648	535	21	92	65	118	242	223
	R	2586	2199	53	334	452	397	1157	580
Alaska, U. of	A	50	45	--	5	3	6	25	16
	W	14	11	--	3	3	2	5	4
	R	28	22	1	5	4	2	20	2
Allegheny C.	A	31	31	--	—	3	7	9	12
	W	12	10	1	1	1	2	4	5
	R	32	27	--	5	9	3	9	11
American U.	A	50	37	2	11	11	9	13	17
	W	15	13	1	1	1	5	3	6
	R	51	43	--	8	3	10	15	23
Arizona, U. of	A	52	41	—	11	2	6	20	24
	W	19	13	2	4	1	4	9	5
	R	52	41	2	9	5	10	17	20
Arizona St. C.	A	49	44	3	2	5	8	18	18
	W	10	10	--	--	1	2	4	3
	R	50	40	1	9	10	11	20	9
Arkansas	A	99	65	6	28	7	18	37	37
	W	6	5	--	1	2	—	3	1
	R	99	89	3	7	24	8	51	16

* A - Accepted
W - Withdrew

College or University		No. of Applicants	Previous Institutes Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons)			
			None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
Idaho, U. of	A	51	44	--	7	5	6	35	5
	W	17	17	--	--	3	1	7	6
	R	51	48	--	3	5	8	28	10
Iowa St. C.	A	58	46	1	11	13	6	29	10
	W	20	19	--	1	1	2	8	9
	R	58	52	1	5	7	5	32	14
Kansas St. Teachers C.	A	60	58	--	2	4	1	48	7
	W	9	9	--	--	1	--	3	5
	R	60	55	1	4	7	4	39	10
Louisiana St. U.	A	54	50	--	4	6	4	29	15
	W	7	6	--	1	--	2	3	2
	R	54	43	--	11	6	12	28	8
Marshall C.	A	36	24	9	3	6	6	13	11
	W	10	8	1	1	1	4	2	3
	R	36	31	1	4	9	11	7	9
Maryland, U. of	A	58	45	2	11	11	17	21	9
	W	20	17	1	2	4	4	10	2
	R	58	49	--	9	16	10	17	15
Michigan St. U.	A	56	49	--	7	15	4	27	10
	W	17	14	1	2	1	2	10	4
	R	56	40	3	13	5	14	27	10
Minnesota, U. of (Duluth)	A	75	62	2	11	7	6	47	15
	W	8	8	--	--	--	1	3	4
	R	76	62	7	7	10	6	43	17

College or University		No. of Applicants	Previous Institutes Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons			
			None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
Minnesota, U. of (Minneapolis)	A	76	62	--	14	4	5	43	24
	W	6	5	1	--	--	--	4	2
	R	75	70	--	5	16	8	42	9
Mississippi, U. of	A	50	44	1	5	7	6	28	9
	W								
	R	50	46	1	3	8	4	29	9
Missouri, U. of	A	55	48	1	6	13	4	31	7
	W	14	13	--	1	2	4	6	2
	R	55	47	1	7	23	5	23	4
Morgan St. C.	A	59	48	--	11	7	11	23	18
	W	4	1	--	3	--	1	2	1
	R	59	55	--	4	6	13	25	15
Murray St. C.	A	67	60	1	6	5	12	28	22
	W	25	17	--	8	4	5	7	9
	R	67	54	6	7	13	8	30	16
North Carolina C.	A	58	50	1	7	3	5	19	31
	W	5	4	--	1	--	--	2	3
	R	45	43	--	2	2	8	22	13
North Dakota, U. of	A	53	45	--	8	8	6	26	13
	W	14	11	--	3	--	2	5	7
	R	53	50	--	3	8	3	34	8
Oak Ridge Inst. of Nuclear Studies	A	48	30	3	15	7	12	10	19
	W	13	10	1	2	1	6	--	6
	R	48	32	--	16	6	10	20	12

			Previous Institutes Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons)			
College or University		No. of Applicants	None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
Ohio U.	A	54	46	--	8	12	14	17	11
	W	18	16	1	1	1	1	10	6
	R	54	46	1	7	4	16	22	12
Ohio Wesleyan U.	A	54	48	--	6	11	6	29	8
	W	4	4	--	--	--	1	2	1
	R	54	42	2	10	12	6	23	13
Oklahoma A & M C.	A	50	43	1	6	8	5	29	8
	W								
	R	50	39	2	9	4	3	30	13
Oklahoma, U. of	A	58	51	1	6	7	12	26	13
	W	19	17	--	2	3	1	4	11
	R	58	53	1	4	8	1	27	22
Pennsylvania, U. of	A	61	54	--	7	10	17	15	19
	W	37	31	--	6	5	11	14	7
	R	61	52	--	9	11	8	28	14
Rensselaer Poly. Inst.	A	50	40	--	10	7	11	19	13
	W	10	8	--	2	1	3	2	4
	R	40	26	1	13	10	13	10	7
San Jose St. C.	A	50	40	1	9	6	10	20	14
	W	16	14	--	2	3	3	7	3
	R	50	48	--	2	8	14	17	11
South Dakota St. C.	A	40	38	2	--	5	2	24	9
	W	3	3	--	--	--	--	2	1
	R	40	34	1	5	2	1	28	9

College or University		No. of Applicants	Previous Institutes Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons			
			None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
South Dakota, U. of	A	51	40	--	11	6	4	26	15
	W	11	10	1	--	1	3	6	1
	R	51	47	1	3	6	2	35	8
Southern Methodist U.	A	30	26	1	3	4	3	15	8
	W	4	2	--	2	--	--	2	2
	R	30	23	1	6	12	6	9	3
Stephen F. Austin St. C.	A	50	44	1	5	12	5	16	17
	W	10	9	--	1	4	--	6	--
	R	50	45	--	5	5	8	23	14
Syracuse U.	A	78	64	1	13	16	12	35	15
	W	18	17	1	--	3	4	6	5
	R	78	66	1	11	15	18	22	23
VPI	A	60	52	2	6	12	6	27	15
	W	9	6	--	3	2	2	1	4
	R	60	55	2	3	14	9	28	9
Western Michigan C.	A	30	30	--	--	3	7	17	3
	W								
	R	30	30	--	--	3	4	17	6
Wyoming, U. of	A	60	46	1	13	3	2	28	26
	W	7	5	--	2	--	2	2	3
	R	60	43	3	14	12	6	24	18
Texas, U. of	A	68	60	--	8	11	14	23	20
	W	10	7	--	3	1	2	6	1
	R	68	64	1	3	17	5	36	10

TABLE I-C

DISTRIBUTION OF PREVIOUS ATTENDANCE AT SCIENTIFIC INSTITUTES AND OF TYPES OF EXTRACURRICULAR ACTIVITIES AMONG APPLICANTS AT SPECIFIED SUMMER INSTITUTES

		No. of Applicants	Previous Institute Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons)			
			None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
Mathematics Institutes	A*	670	523	10	137	137	65	348	120
	W	183	136	7	40	24	18	109	32
	R	640	542	11	87	152	55	372	61
Physics Institutes	A	92	76	1	15	19	9	45	19
	W	24	18	--	6	5	3	7	9
	R	92	57	4	31	21	11	39	21
Chemistry Institutes	A	306	232	6	68	39	61	120	86
	W	69	50	1	18	9	15	19	26
	R	289	216	4	69	50	57	102	80
Biology Institutes	A	212	177	2	33	21	53	80	58
	W	75	62	2	11	8	19	24	24
	R	214	172	5	37	27	39	86	62
Radiation Biology Institutes	A	62	53	--	9	9	13	20	20
	W	7	6	--	1	--	2	2	3
	R	91	77	--	14	15	22	34	20
High School and College Teachers Institutes	A	151	120	8	23	37	27	61	26
	W	36	26	1	9	2	9	9	16
	R	151	114	10	27	41	19	73	18

*
A - Accepted
W - Withdrew
R - Rejected

TABLE X-D

DISTRIBUTION OF PREVIOUS ATTENDANCE AT SCIENTIFIC INSTITUTES AND TYPES OF EXTRACURRICULAR ACTIVITIES AMONG APPLICANTS AT ALL ACADEMIC YEAR INSTITUTES

			Previous Institute Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons)			
		No. of Applicants	None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
Academic Year Institutes	A*	779	598	33	148	84	93	389	213
	W	267	195	10	62	18	25	132	92
	R	772	630	29	113	129	77	365	201
Chicago, U. of	A	30	18	1	11	7	--	19	4
	W	17	9	--	8	1	--	13	3
	R	30	23	--	7	12	1	12	5
Colorado, U. of	A	54	42	4	8	2	6	32	14
	W	25	21	2	2	2	2	12	9
	R	54	41	--	13	9	3	28	14
Harvard U.	A	46	33	--	13	7	7	25	7
	W	17	11	--	6	--	2	7	8
	R	46	33	1	12	12	8	14	12
Illinois, U. of	A	34	24	1	9	3	3	22	6
	W	5	4	--	1	--	--	3	2
	R	34	27	1	6	10	--	17	7
Michigan, U. of	A	44	38	--	6	3	10	21	10
	W	14	10	--	4	--	2	8	4
	R	50	41	--	9	2	6	21	21
North Carolina, U. of	A	52	40	1	11	13	2	22	15
	W	14	9	--	5	2	4	7	1
	R	52	48	--	4	10	1	28	13

* A - Accepted
W-- Withdrew

			Previous Institute Attendance (No. of Persons)			Types of Extracurricular Activities (No. of Persons)			
		No. of Applicants	None	Other NSF	Other Non-NSF	None	Science Only	Non-Science Only	Science and Non-Science
Ohio St. U.	A	54	42	4	8	4	5	21	24
	W	60	48	3	9	4	4	26	26
	R	54	51	--	3	13	7	22	12
Oklahoma A. & M. College	A	49	43	2	4	5	5	31	8
	W	10	8	--	2	--	--	9	1
	R	49	37	4	8	1	8	28	12
Oregon St. C.	A	52	38	--	14	1	2	26	23
	W	11	9	1	1	--	2	3	6
	R	52	44	5	3	7	11	20	14
Pennsylvania St. U.	A	50	31	8	11	6	8	17	19
	W	4	3	--	1	--	--	1	3
	R	50	38	3	9	4	4	27	15
Stanford U.	A	50	40	1	9	3	10	20	17
	W	19	11	3	5	2	4	7	6
	R	50	37	--	13	9	4	24	13
Texas, U. of	A	53	40	1	12	7	10	26	10
	W	27	23	--	4	5	2	10	10
	R	53	45	4	4	10	4	26	13
Utah, U. of	A	54	44	3	7	8	5	24	17
	R	54	46	2	6	11	4	28	11
Virginia, U. of	A	54	42	3	9	2	11	29	12
	W	19	12	--	7	1	1	10	7
	R	54	42	4	8	8	4	24	18
Washington U.	A	51	42	3	6	5	5	22	19
	W	25	17	1	7	1	2	16	6
	R	38	33	--	5	3	2	22	11
Wisconsin, U. of	A	52	41	1	10	8	4	32	8
	R	52	44	5	3	8	10	24	10

ORGANIZATIONAL MEMBERSHIP

Organizations are classified into three groups. One group comprises those devoted to education in general or the teaching of a specific subject (for example, the National Council of Teachers of Mathematics). The second group includes organizations devoted to one special science (for example, the Mathematical Association of America). The third group includes those devoted to science in general (for example, the American Association for the Advancement of Science). The number of applicants who belong to one of these types of organization only and to each combination of types were counted. Membership in organizations devoted neither to education nor science was not counted.

REGIONAL ORGANIZATIONS

With respect to regional organizations, about two-thirds of all applicants to high school teacher institutes belong to education organizations only. Twenty percent of accepted applicants, 26 percent of rejected applicants, and 12 percent of those who withdrew belong to no regional organizations at all. At many schools these two categories of membership account for all of one or more categories of applicant (usually withdrawn applicants, since fewer individuals are involved). The percentage of applicants at particular schools who belong to regional education organizations only ranges from 50 percent to over 90 percent but is between 60 percent and 80 percent at most schools. The percentage who belong to no regional organizations range up to 40 percent at a few schools but is less than 25 percent of accepted and rejected applicants and less than 20 percent of those who withdrew at most schools. At a few schools up to 15 percent of applicants belong to both education and generalized science regional organizations, but about 5 percent is closer to the modal percentage.

NATIONAL ORGANIZATIONS

The pattern of membership in national organizations is similar to that for regional organizations. On a national level, 57 percent of accepted applicants, 60 percent of withdrawn applicants, and 53 percent of rejected applicants belong to education organizations only; 28 percent of accepted applicants, 18 percent of withdrawn applicants, and 35 percent of rejected applicants belong to no national organizations. At a few schools (Southern Methodist University and Stephen F. Austin State College) the majority of applicants belong to no national organization, while at the University of Chicago (a mathematics institute) 48 of 50 participants belong to national educational organizations. Most schools, however, follow the averages much more closely.

At most schools less than 25 percent belong to national scientific organizations, and since a similarly small percentage belong to regional scientific organizations, the average number of scientific organizations per person is low, usually 0.3 or less. The highest numbers of scientific organizations per person are generally found among the applicants who withdrew, although at some schools this group has the lowest average. Rejected applicants belong to fewer scientific organizations per person than accepted applicants at most schools.

TABLE XI-A

DISTRIBUTION OF MEMBERSHIP IN REGIONAL PROFESSIONAL ORGANIZATIONS AMONG APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
All High School Institutes	A*	5078	1021	3458	36	124	78	331	8	22
	W	1309	160	944	16	61	21	94	4	9
	R	4835	1256	3122	36	133	51	203	13	21

Percentages

		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
All High School Institutes	A	5078	20.1	68.1	0.7	2.4	1.5	6.5	0.2	0.4
	W	1309	12.2	72.1	1.2	4.7	1.6	7.2	0.3	0.7
	R	4835	26.0	64.6	0.7	2.8	1.1	4.2	0.3	0.4

* A - Accepted
W - Withdrew
R - Rejected

TABLE XI-B

DISTRIBUTION OF MEMBERSHIP IN REGIONAL PROFESSIONAL ORGANIZATIONS AMONG APPLICANTS AT SPECIFIED SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Totals for Specified Institutes	A*	2806	589	1872	18	67	44	196	5	15
	W	648	84	444	8	31	14	59	3	5
	R	2586	688	1659	18	68	24	113	5	11
Alaska, U. of	A	50	14	33	--	1	--	2	--	--
	W	14	3	11	--	--	--	--	--	--
	R	28	11	15	--	1	--	1	--	--
Allegheny C.	A	31	4	23	--	2	1	--	--	1
	W	12	3	8	--	1	--	--	--	--
	R	32	6	10	1	1	5	7	1	1
American U.	A	50	9	38	--	--	--	2	--	1
	W	15	--	12	--	1	1	1	--	--
	R	51	12	39	--	--	--	--	--	--
Arizona, U. of	A	52	17	26	--	1	--	8	--	--
	W	19	2	16	--	--	1	--	--	--
	R	52	10	37	--	1	--	4	--	--
Arizona St. C.	A	49	14	26	1	--	1	7	--	--
	W	10	1	9	--	--	--	--	--	--
	R	50	9	35	--	--	1	5	--	--
Arkansas, U. of	A	99	25	64	--	1	2	7	--	--
	W	6	1	5	--	--	--	--	--	--
	R	99	43	50	1	--	1	3	--	1

*
A - Accepted
W - Withdrew
R - Rejected

College or University	No. of Applicants		None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Atlanta U.	A	30	9	19	2	--	--	--	--	--
	W	7	--	7	--	--	--	--	--	--
	R	30	10	20	--	--	--	--	--	--
Baylor U.	A	63	18	40	--	1	--	4	--	--
	W	25	2	18	3	1	--	1	--	--
	R	27	5	21	--	--	--	1	--	--
Bucknell U.	A	55	6	49	--	--	--	--	--	--
	W	7	1	5	1	--	--	--	--	--
	R	55	11	41	--	1	--	--	1	1
California, U. of (Berkeley)	A	205	37	147	3	2	2	12	--	2
	W	86	10	55	2	4	4	8	--	3
	R	129	35	76	1	7	2	6	1	1
California, U. of (Los Angeles)	A	104	19	75	--	7	--	3	--	--
	W	27	7	19	--	--	--	1	--	--
	R	56	9	41	1	4	--	1	--	--
Clarkson C. of Tech.	A	53	9	42	--	2	--	--	--	--
	W	15	1	14	--	--	--	--	--	--
	R	53	4	43	1	1	--	2	1	1
Colorado C.	A	53	9	36	1	3	--	4	--	--
	W	23	--	22	--	--	--	1	--	--
	R	53	10	32	--	4	--	7	--	--
Duke U.	A	86	21	56	1	1	1	6	--	--
	W	11	2	9	--	--	--	--	--	--
	R	69	25	44	--	--	--	--	--	--
Hawaii, U. of	A	68	23	28	--	1	6	7	1	2
	W	6	1	3	--	--	--	2	--	--
	R	67	10	46	--	8	--	2	--	1

College or University	No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Idaho, U. of	A 51	11	38	--	1	--	1	--	--
	W 17	1	9	1	1	1	2	2	--
	R 51	13	35	--	2	1	--	--	--
Iowa St. C.	A 58	15	40	1	--	--	2	--	--
	W 20	2	17	--	1	--	--	--	--
	R 58	12	39	1	1	2	3	--	--
Kansas St. Teachers C.	A 60	10	47	--	1	--	1	--	1
	W 9	3	4	--	--	--	2	--	--
	R 60	13	46	--	--	--	1	--	--
Louisiana St. U.	A 54	12	33	--	2	2	5	--	--
	W 7	2	5	--	--	--	--	--	--
	R 54	15	32	--	1	--	5	1	--
Marshall C.	A 36	10	24	--	1	1	--	--	--
	W 10	4	6	--	--	--	--	--	--
	R 36	15	21	--	--	--	--	--	--
Maryland, U. of	A 58	13	27	1	6	1	8	1	1
	W 20	4	15	--	--	--	1	--	--
	R 58	15	30	--	3	--	10	--	--
Michigan St. U.	A 56	6	50	--	--	--	--	--	--
	W 17	2	9	--	1	1	2	1	1
	R 56	10	44	--	1	--	1	--	--
Minnesota, U. of (Duluth)	A 75	13	53	--	--	1	8	--	--
	W 8	2	3	--	2	--	1	--	--
	R 76	27	32	4	5	5	2	--	1

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen.Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Minnesota, U. of (Minneapolis)	A	76	10	57	--	2	3	3	--	1
	W	6	2	2	--	2	--	--	--	--
	R	75	21	46	--	3	1	3	--	1
Mississippi, U. of	A	50	15	30	--	--	1	4	--	--
	W									
	R	50	19	29	--	1	--	1	--	--
Missouri, U. of	A	55	16	38	--	--	1	--	--	--
	W	14	3	8	--	1	1	1	--	--
	R	55	26	25	--	1	1	2	--	--
Morgan St. C.	A	59	16	41	--	1	--	1	--	--
	W	4	--	4	--	--	--	--	--	--
	R	59	21	32	1	1	--	3	--	1
Murray St. C.	A	67	15	43	--	1	--	8	--	--
	W	25	2	14	--	2	--	6	--	1
	R	67	16	44	2	2	--	3	--	--
North Carolina C.	A	58	14	43	--	--	--	1	--	--
	W	5	--	4	--	--	--	1	--	--
	R	45	16	28	1	--	--	--	--	--
North Dakota, U. of	A	53	10	25	1	3	3	9	1	1
	W	14	--	13	--	--	1	--	--	--
	R	53	13	38	--	2	--	--	--	--
Oak Ridge Inst. of Nuclear Studies	A	48	1	33	--	4	1	9	--	--
	W	13	3	2	--	--	--	8	--	--
	R	48	12	34	--	--	1	1	--	--

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Ohio U.	A	54	10	34	--	3	1	6	--	--
	W	18	3	13	--	--	--	2	--	--
	R	54	15	39	--	--	--	--	--	--
Ohio Wesleyan U.	A	54	14	36	--	--	1	2	--	1
	W	4	--	4	--	--	--	--	--	--
	R	54	12	37	--	2	--	3	--	--
Oklahoma A & M C.	A	50	9	34	--	1	--	6	--	--
	W									
	R	50	8	41	--	--	--	1	--	--
Oklahoma, U. of	A	58	8	36	--	2	2	10	--	--
	W	19	3	15	--	--	--	1	--	--
	R	58	13	38	--	1	--	5	--	1
Pennsylvania, U. of	A	61	11	37	4	4	1	3	1	--
	W	37	2	17	1	8	1	8	--	--
	R	61	16	35	1	3	1	5	--	--
Rensselaer Poly. Inst.	A	50	4	42	2	2	--	--	--	--
	W	10	2	6	--	--	--	2	--	--
	R	40	5	32	--	1	--	2	--	--
San Jose St. C.	A	50	7	39	--	4	--	--	--	--
	W	16	1	13	--	1	--	1	--	--
	R	50	13	34	1	--	1	1	--	--
South Dakota St. C.	A	40	10	27	--	1	--	2	--	--
	W	3	--	3	--	--	--	--	--	--
	R	40	13	25	2	--	--	--	--	--

College or University	No. of Applicants		None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
South Dakota, U. of	A	51	6	42	1	1	1	--	--	--
	W	11	--	9	--	--	1	1	--	--
	R	51	8	38	--	--	1	4	--	--
Southern Methodist U.	A	30	13	13	--	--	--	3	--	1
	W	4	1	2	--	--	--	1	--	--
	R	30	12	17	--	--	--	1	--	--
Stephen F. Austin St. C.	A	50	18	18	--	--	4	10	--	--
	W	10	2	8	--	--	--	--	--	--
	R	50	18	25	--	1	--	5	--	1
Syracuse U.	A	78	12	56	--	--	3	6	1	--
	W	18	5	9	--	--	2	2	--	--
	R	78	17	48	--	3	1	9	--	--
Texas, U. of	A	68	17	40	--	3	--	7	--	1
	W	10	--	7	--	1	--	2	--	--
	R	68	25	40	--	3	--	--	--	--
VPI	A	60	14	33	--	2	3	8	--	--
	W	9	1	6	--	1	--	1	--	--
	R	60	22	35	--	1	--	2	--	--
Western Michigan C.	A	30	7	23	--	--	--	--	--	--
	W									
	R	30	4	26	--	--	--	--	--	--
Wyoming, U. of	A	60	8	38	--	--	1	11	--	2
	W	7	--	4	--	3	--	--	--	--
	R	60	13	44	--	2	--	1	--	--

TABLE XI-C

DISTRIBUTION OF MEMBERSHIP IN REGIONAL PROFESSIONAL ORGANIZATIONS AMONG APPLICANTS AT SPECIFIED SUMMER INSTITUTES

		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen Sci. and Educ.
Mathematics Institutes	A*	670	121	512	4	21	2	9	--	1
	W	183	16	139	5	17	1	3	--	2
	R	640	184	413	2	30	5	6	--	--
Physics Institutes	A	92	29	56	1	1	1	4	--	--
	W	24	1	22	--	--	--	1	--	--
	R	92	14	66	3	4	1	2	2	--
Chemistry Institutes	A	306	75	169	2	10	13	35	--	2
	W	69	9	59	--	--	--	1	--	--
	R	289	80	186	2	2	2	14	2	1
Biology Institutes	A	212	36	142	--	2	2	29	1	--
	W	75	10	45	1	7	--	10	1	1
	R	214	54	133	2	4	7	12	1	1
Radiation Biology Institutes	A	62	17	40	--	1	1	3	--	--
	W	7	1	6	--	--	--	--	--	--
	R	91	17	53	2	--	3	11	2	3
High School & College Teachers Institutes	A	151	36	78	9	10	4	11	1	2
	W	36	5	25	--	2	2	2	--	--
	R	151	45	92	1	4	5	4	--	--

*
A - Accepted
W - Withdrew
R - Rejected

TABLE XI-D

DISTRIBUTION OF MEMBERSHIP IN REGIONAL PROFESSIONAL ORGANIZATIONS AMONG APPLICANTS AT ACADEMIC YEAR INSTITUTES

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Totals for Academic Year Institutes	A*	779	118	589	2	12	11	44	1	2
	W	267	34	204	2	4	4	18	--	1
	R	772	174	520	6	21	4	41	1	5
Chicago, U. of	A	30	1	29	--	--	--	--	--	--
	W	17	1	16	--	--	--	--	--	--
	R	30	3	22	1	--	--	4	--	--
Colorado, U. of	A	54	7	43	1	1	--	2	--	--
	W	25	2	19	--	1	--	3	--	--
	R	54	10	41	--	--	1	1	1	--
Harvard U.	A	46	11	35	--	--	--	--	--	--
	W	17	4	12	--	--	--	1	--	--
	R	46	10	24	--	3	1	4	--	4
Illinois, U. of	A	34	1	32	--	--	--	1	--	--
	W	5	--	5	--	--	--	--	--	--
	R	34	5	25	--	3	--	1	--	--
Michigan, U. of	A	44	6	34	--	2	--	2	--	--
	W	14	1	13	--	--	--	--	--	--
	R	50	10	36	--	--	--	4	--	--
North Carolina, U. of	A	52	14	36	--	--	1	1	--	--
	W	14	1	12	--	--	--	1	--	--
	R	52	18	32	--	1	--	1	--	--

* A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Ohio St. U.	A	54	8	28	--	5	2	9	--	2
	W	60	7	44	1	1	2	5	--	--
	R	54	13	41	--	--	--	--	--	--
Oregon St. C.	A	52	5	41	--	1	2	2	1	--
	W	11	--	10	--	--	--	1	--	--
	R	52	10	29	2	2	2	7	--	--
Oklahoma A. & M. College	A	49	5	41	--	--	--	3	--	--
	W	10	2	8	--	--	--	--	--	--
	R	49	15	32	--	1	--	1	--	--
Pennsylvania St. U.	A	50	9	39	--	--	1	1	--	--
	W	4	2	2	--	--	--	--	--	--
	R	50	10	37	1	--	--	2	--	--
Stanford U.	A	50	4	42	1	1	--	2	--	--
	W	19	4	12	--	--	--	3	--	--
	R	50	9	37	1	2	--	1	--	--
Texas, U. of	A	53	9	39	--	--	1	4	--	--
	W	27	2	23	1	--	--	1	--	--
	R	53	15	30	--	1	--	6	--	1
Utah, U. of	A	54	14	38	--	--	--	2	--	--
	R	54	13	41	--	--	--	--	--	--
Virginia, U. of	A	54	9	35	--	1	3	6	--	--
	W	19	5	7	--	2	2	2	--	1
	R	54	13	32	1	3	--	5	--	--
Washington U.	A	51	8	37	--	1	--	5	--	--
	W	25	3	21	--	--	--	1	--	--
	R	38	12	26	--	--	--	--	--	--
Wisconsin, U. of	A	52	7	40	--	--	1	4	--	--
	R	52	8	35	--	5	--	4	--	--

TABLE XII-A

DISTRIBUTION OF MEMBERSHIP IN NATIONAL PROFESSIONAL ORGANIZATIONS AND AVERAGE NUMBER OF SCIENTIFIC ORGANIZATIONS PER PERSON AT ALL HIGH SCHOOL INSTITUTES

		No. of Applicants	Sci. Orgs. (Avg. No./ Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. Sci.
All High School Institutes	A*	5078	0.3	1425	2917	89	226	106	243	22	50
	W	1309	0.4	239	790	33	99	23	93	9	23
	R	4835	0.2	1710	2550	88	207	65	164	17	34
					Percentages						
All High School Institutes	A	5078		28.1	57.4	1.8	4.5	2.1	4.8	0.4	1.0
	W	1309		18.3	60.4	2.5	7.6	1.8	7.1	0.7	1.8
	R	4835		35.4	52.7	1.8	4.3	1.3	3.4	0.4	0.7

* A - Accepted
W - Withdrew
R - Rejected

TABLE XII-B

DISTRIBUTION OF MEMBERSHIP IN NATIONAL PROFESSIONAL ORGANIZATIONS AND AVERAGE NUMBER OF SCIENTIFIC ORGANIZATIONS PER PERSON ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	Sci. Orgs. (Avg No./ Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen Sci. & Educ.
Totals for Specified Institutes	A*	2806	0.3	861	1553	39	111	63	150	6	23
	W	648	0.5	125	357	15	46	18	66	7	14
	R	2586	0.2	974	1311	46	100	34	95	7	19
Alaska, U. of	A	50	0.2	12	33	—	2	1	2	—	—
	W	14	0.1	3	9	—	—	1	—	—	1
	R	28	0.2	10	16	—	—	1	—	1	—
Allegheny C.	A	31	0.2	9	17	2	—	1	2	—	—
	W	12	0.3	1	9	—	1	—	1	—	—
	R	32	1.1	11	6	1	—	7	4	1	2
American U.	A	50	0.2	15	30	—	2	—	2	—	1
	W	15	0.2	2	9	1	3	—	—	—	—
	R	51	---	21	29	—	1	—	—	—	—
Arizona, U. of	A	52	0.5	8	31	—	6	—	5	—	2
	W	19	0.1	1	15	—	2	—	1	—	—
	R	52	0.2	15	30	1	4	—	2	—	—
Arizona St. C.	A	49	0.4	14	22	—	3	2	8	—	—
	W	10	---	—	10	—	—	—	—	—	—
	R	50	0.1	13	32	1	3	—	1	—	—
Arkansas, U. of	A	99	0.2	30	62	—	1	2	2	—	2
	W	6	---	1	5	—	—	—	—	—	—
	R	99	0.2	50	42	2	2	1	1	—	1

*
A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	Sci. Orgs. (Avg No./ Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Atlanta U.	A	30	0.2	12	16	1	—	1	—	—	—
	W	7	0.1	1	5	—	1	—	—	—	—
	R	30	0.1	8	16	1	1	2	2	—	—
Baylor U.	A	63	0.1	36	23	1	2	—	1	—	—
	W	25	0.7	6	8	2	2	3	2	—	2
	R	27	0.1	15	9	—	—	1	2	—	—
Bucknell U.	A	55	0.1	11	41	1	2	—	—	—	—
	W	7	0.1	1	6	—	—	—	—	—	—
	R	55	0.2	18	32	2	—	1	2	—	—
California, U. of (Berkeley)	A	205	0.2	54	126	1	5	4	13	—	2
	W	86	0.8	16	40	6	5	5	10	1	3
	R	129	0.3	38	68	2	8	2	9	—	2
California, U. of (Los Angeles)	A	104	0.3	19	70	1	8	2	2	1	1
	W	27	0.1	4	21	—	1	—	1	—	—
	R	56	0.2	13	35	4	4	—	—	—	—
Clarkson C. of Tech.	A	53	0.2	16	30	3	4	—	—	—	—
	W	15	0.1	9	5	—	1	—	—	—	—
	R	53	0.2	14	34	2	2	1	—	—	—
Colorado C.	A	53	0.2	13	35	1	1	1	1	—	—
	W	23	0.1	2	20	—	1	—	—	—	—
	R	53	0.7	12	16	1	7	—	17	—	—
Duke U.	A	86	0.2	21	58	1	1	—	2	—	—
	W	11	—	1	10	—	—	—	—	—	—
	R	69	0.7	28	37	1	2	—	1	—	—
Hawaii, U. of	A	68	0.5	28	25	1	5	2	6	—	1
	W	6	0.8	—	3	—	—	—	2	1	—
	R	67	0.5	14	37	—	7	1	4	1	3

College or University		No. of Applicants	Sci. Orgs. (Avg No./ Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Idaho, U. of	A	51	0.1	15	34	--	2	--	--	--	--
	W	17	1.1	5	4	2	1	1	2	--	2
	R	51	0.1	12	36	2	--	1	--	--	--
Iowa St. C.	A	58	0.1	20	33	2	2	1	--	--	--
	W	20	0.3	5	11	--	--	--	3	--	1
	R	58	0.2	24	31	1	1	--	1	--	--
Kansas St. Teachers C.	A	60	0.1	14	43	1	2	--	--	--	--
	W	9	0.6	3	3	1	--	--	2	--	--
	R	60	0.1	18	39	1	1	--	1	--	--
Louisiana St. U.	A	54	0.4	20	21	--	2	4	6	--	1
	W	7	0.1	3	3	--	--	1	--	--	--
	R	54	0.2	19	31	1	1	1	1	--	--
Marshall C.	A	36	0.1	12	23	--	--	--	1	--	--
	W	10	0.5	3	4	--	1	--	--	1	1
	R	36	---	21	14	--	--	--	1	--	--
Maryland, U. of	A	58	0.9	13	18	2	8	5	9	--	3
	W	20	0.1	4	14	--	2	--	--	--	--
	R	58	0.4	25	21	3	4	--	5	--	--
Michigan St. U.	A	56	0.1	15	36	1	1	--	3	--	--
	W	17	0.8	6	7	--	2	--	1	1	--
	R	56	0.1	17	36	--	3	--	--	--	--
Minnesota, U. of (Duluth)	A	75	0.1	27	46	--	2	--	--	--	--
	W	8	0.4	4	2	--	1	--	1	--	--
	R	76	0.6	30	25	3	6	5	1	3	3

College or University		No. of Applicants	Sci. Orgs. (Avg No./ Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Minnesota, U. of (Minneapolis	A	76	0.2	19	52	—	2	1	2	—	—
	W	6	1.1	—	1	—	4	—	1	—	—
	R	75	0.2	30	39	—	4	1	1	—	—
Mississippi, U. of	A	50	0.2	18	28	—	2	1	1	—	—
	W										
	R	50	0.1	25	23	1	1	—	—	—	—
Missouri, U. of	A	55	0.1	19	31	1	2	—	2	—	—
	W	14	0.4	5	6	—	2	—	1	—	—
	R	55	0.2	29	18	—	4	—	4	—	—
Morgan St. C.	A	59	0.2	18	31	—	1	3	6	—	—
	W	4	0.5	—	2	—	1	1	—	—	—
	R	59	0.2	26	28	—	1	—	3	—	1
Murray St. C.	A	67	0.3	14	46	—	3	1	3	—	—
	W	25	1.1	2	9	—	2	1	7	3	1
	R	67	0.3	25	31	1	3	2	4	—	—
North Carolina C.	A	58	0.1	15	41	—	—	—	2	—	—
	W	5	0.2	—	5	—	—	—	—	—	—
	R	45	0.1	17	26	—	—	2	—	—	—
North Dakota, U. of	A	53	0.8	14	18	1	1	5	10	1	3
	W	14	0.1	2	12	—	—	—	—	—	—
	R	53	0.1	20	31	—	1	—	1	—	—
Oak Ridge Inst. of Nuclear Studies	A	48	0.6	6	27	1	6	2	4	1	1
	W	13	1.2	1	4	—	1	—	7	—	—
	R	48	0.2	6	36	2	3	—	1	—	—

College or University	No. of Applicants		Sci. Orgs. (Avg No./Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Ohio U.	A	54	0.4	20	25	2	1	--	5	1	--
	W	18	0.1	4	14	--	--	--	--	--	--
	R	54	0.1	17	35	--	--	1	--	--	1
Ohio Wesleyan U.	A	54	0.2	24	23	2	3	--	2	--	--
	W	4	0.2	--	3	--	--	--	1	--	--
	R	54	0.2	22	28	--	2	--	1	--	1
Oklahoma A & M C.	A	50	0.2	14	31	--	1	1	3	--	--
	W										
	R	50	0.1	14	34	--	1	--	1	--	--
Oklanoma, U. of	A	58	0.6	10	27	--	3	5	13	--	--
	W	19	0.2	7	10	--	1	--	1	--	--
	R	58	0.4	24	24	--	4	--	5	--	1
Pennsylvania, U. of	A	61	0.5	17	30	5	4	1	3	--	1
	W	37	1.2	3	8	3	8	1	14	--	--
	R	61	0.3	16	38	2	--	1	4	--	--
Rensselaer Poly. Inst.	A	50	0.1	17	31	--	2	--	--	--	--
	W	10	0.2	4	6	--	--	--	--	--	--
	R	40	0.2	17	19	--	2	--	--	1	1
San Jose St. C.	A	50	0.2	10	35	2	3	--	--	--	--
	W	16	0.2	--	15	--	--	--	1	--	--
	R	50	0.1	17	31	--	2	--	--	--	--
South Dakota St. C.	A	40	0.1	18	21	--	1	--	--	--	--
	W	3	0.3	--	2	--	--	1	--	--	--
	R	40	0.1	19	18	1	1	1	--	--	--

College or University		No. of Applicants	Sci. Orgs. (Avg No./ Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
South Dakota, U. of	A	51	0.2	18	27	1	4	--	1	--	--
	W	11	0.4	3	6	--	--	--	2	--	--
	R	51	0.1	28	22	--	1	--	--	--	--
Southern Methodist U.	A	30	0.4	19	5	--	--	2	4	--	--
	W	4	0.7	2	--	--	--	1	1	--	--
	R	30	0.2	17	8	--	2	--	3	--	--
Stephen F. Austin St. C.	A	50	0.5	32	7	1	1	6	1	--	2
	W	10	0.2	4	4	--	--	1	1	--	--
	R	50	0.3	32	12	2	--	2	--	--	2
Syracuse U.	A	78	0.3	28	38	1	3	--	8	--	--
	W	18	0.7	6	6	--	--	1	2	--	3
	R	78	0.3	31	33	2	3	--	9	--	--
Texas, U. of	A	68	0.2	27	38	1	--	1	1	--	--
	W	10	0.4	--	9	--	--	--	1	--	--
	R	68	0.1	42	20	--	3	--	3	--	--
VPI	A	60	0.3	21	35	--	3	--	1	--	--
	W	9	0.3	--	8	--	1	--	--	--	--
	R	60	0.1	23	34	3	--	--	--	--	--
Western Michigan C.	A	30	0.2	12	13	2	1	--	2	--	--
	W										
	R	30	---	12	18	--	--	--	--	--	--
Wyoming, U. of	A	60	0.8	13	20	--	3	8	11	2	3
	W	7	0.7	1	4	--	2	--	--	--	--
	R	60	0.2	18	33	3	5	--	--	--	1

TABLE XII-C

DISTRIBUTION OF MEMBERSHIP IN NATIONAL PROFESSIONAL ORGANIZATIONS AND AVERAGE NUMBER OF SCIENTIFIC ORGANIZATIONS PER PERSON

		No. of Applicants	Sci. Orgs. (Avg. No./ Person)	None	Educ.	Spec. Sci.	Educ. and Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Mathematics Institutes	A*	670	0.1	136	489	8	26	1	7	--	3
	W	183	0.4	22	119	7	26	1	3	--	5
	R	640	0.2	218	372	4	36	4	5	1	--
Physics Institutes	A	92	0.3	44	34	3	1	3	4	3	--
	W	24	0.1	3	20	1	--	--	--	--	--
	R	92	0.3	29	50	2	7	3	1	--	--
Chemistry Institutes	A	306	0.4	115	127	11	14	13	21	1	4
	W	69	0.1	19	43	--	4	1	2	--	--
	R	289	0.2	100	156	7	10	6	6	2	2
Biology Institutes	A	212	0.4	47	120	2	9	8	18	5	3
	W	75	0.7	16	39	5	5	1	8	--	1
	R	214	0.3	73	110	5	10	3	8	3	2
Radiation Biology Institutes	A	62	0.3	12	37	2	4	1	6	--	--
	W	7	0.1	2	4	--	--	--	1	--	--
	R	91	0.7	30	34	3	2	6	13	2	1
High School & College Teachers Institutes	A	151	0.8	21	60	14	33	5	8	2	8
	W	36	0.2	6	28	--	--	1	--	1	--
	R	151	0.4	37	87	8	5	3	4	2	5

*
A - Accepted
W - Withdrew
R - Rejected

TABLE XII-D

DISTRIBUTION OF MEMBERSHIP IN NATIONAL PROFESSIONAL ORGANIZATIONS AND AVERAGE NUMBER OF SCIENTIFIC ORGANIZATION PER PERSON AT ACADEMIC YEAR INSTITUTES

College or University		No. of Applicants	Sci. Orgs. (Avg. No./ Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ & Gen. Sci.	Spec. & Gen. Sci.	Spec. Sci.
Totals for Academic Year Institutes	A*	779	0.2	189	497	10	28	12	29	5	9
	W	267	0.3	46	180	5	18	1	13	1	3
	R	772	0.3	249	430	13	37	6	32	--	5
Chicago, U. of	A	30	--	1	29	--	--	--	--	--	--
	W	17	0.1	2	13	--	2	--	--	--	--
	R	30	0.2	6	24	--	--	--	--	--	--
Colorado, U. of	A	54	0.2	13	37	1	2	--	--	--	1
	W	25	0.3	2	20	--	--	--	2	--	1
	R	54	0.1	13	39	1	1	--	--	--	--
Harvard U.	A	46	0.2	15	24	--	4	--	3	--	--
	W	17	0.4	2	11	--	2	--	1	--	1
	R	46	0.6	19	18	1	3	1	3	--	1
Illinois, U. of	A	34	--	2	32	--	--	--	--	--	--
	W	5	--	--	5	--	--	--	--	--	--
	R	34	0.4	8	18	2	5	--	1	--	--
Michigan, U. of	A	44	0.2	13	27	--	1	1	1	--	1
	W	14	--	2	12	--	--	--	--	--	--
	R	50	0.2	14	31	--	2	--	3	--	--
North Carolina, U. of	A	52	0.1	15	32	2	3	--	--	--	--
	W	14	0.1	2	12	--	--	--	--	--	--
	R	52	0.1	23	25	--	2	1	1	--	--

* A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	Sci. Orgs. (Avg. No./ Person)	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. Sci.
Ohio St. U.	A	54	1.0	5	21	1	6	4	9	4	4
	W	60	0.3	11	42	--	4	1	2	--	--
	R	54	0.1	23	27	1	2	--	1	--	--
Oklahoma A. & M. College	A	49	0.1	11	37	1	--	--	--	--	--
	W	10	0.2	--	8	--	1	--	1	--	--
	R	49	0.1	21	27	--	1	--	--	--	--
Oregon St. C.	A	52	0.2	6	44	1	--	--	1	--	--
	W	11	0.3	--	10	--	1	--	--	--	--
	R	52	0.6	9	29	2	2	--	7	--	3
Pennsylvania St. C.	A	50	0.2	10	34	1	1	1	3	--	--
	W	4	--	1	3	--	--	--	--	--	--
	R	50	0.2	15	30	2	--	--	3	--	--
Stanford U.	A	50	0.3	9	31	--	5	--	4	--	1
	W	19	0.3	6	12	--	--	--	--	--	1
	R	50	0.1	14	34	--	1	--	1	--	--
Texas, U. of	A	53	0.2	23	24	--	1	1	2	1	1
	W	27	0.3	8	12	1	3	--	3	--	--
	R	53	0.3	25	21	2	1	3	1	--	--
Utah, U. of	A	54	0.2	13	34	2	2	2	1	--	--
	R	54	--	8	44	1	1	--	--	--	--
Virginia, U. of	A	54	0.3	13	34	1	1	2	3	--	--
	W	19	1.1	6	3	3	2	--	4	1	--
	R	54	0.4	18	26	1	5	--	3	--	1
Washington U.	A	51	0.2	18	30	--	1	--	2	--	--
	W	25	0.2	4	17	1	3	--	--	--	--
	R	38	0.1	18	17	--	2	1	--	--	--
Wisconsin, U. of	A	52	0.2	22	27	--	1	1	--	--	1
	R	52	0.5	15	20	--	9	--	8	--	--

JOURNALS

Journals were classified on the same basis as organizations. Those devoted exclusively to teaching in general or teaching of a particular subject are classed as education journals. Those devoted to one science only are classed as specialized scientific journals, and those devoted to science in general are classed as generalized scientific journals. The number of applicants who read each type of journal only and the number who read each combination of types are shown in the following tables. Journals which are devoted neither to education nor science were not included.

Education journals only are read by 40 percent of accepted applicants at all high school institutes; education and generalized scientific journals by 27 percent; education, specialized and generalized scientific journals by 10 percent; scientific journals only by about 10 percent; and none at all by 5 percent.

The percentages of various types of journals read by rejected applicants and those who withdrew approximate these figures fairly closely. The percentage who read none at all, however, is greatest for rejected applicants, and least for those who withdrew. There are greater differences among schools than among categories of applicants at one school.

There is also a considerable amount of variation among the specialized institutes. At physics and chemistry institutes, for example, only 20 percent of accepted applicants read education journals only, and nearly 20 percent read all three types of journal. At mathematics institutes, however, over two-thirds of accepted applicants read education journals only. At the University of Chicago (a mathematics institute) 48 of 50 accepted applicants read education journals, and only 2 read generalized scientific journals as well as education journals.

The reading habits of applicants to the academic year institutes are similar to those of the summer institute applicants. Roughly 50 percent read education journals only, and 25 percent read general scientific and education journals. The University of Chicago and the University of Illinois again follow the pattern of the mathematics institutes: over 70 percent of all applicants to these schools read education journals only.

TABLE XIII-A

DISTRIBUTION OF PROFESSIONAL JOURNALS READ BY APPLICANTS AT ALL HIGH SCHOOL INSTITUTES

		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
All High School Institutes	A*	5078	243	2055	87	383	268	1361	172	509
	W	1309	23	481	25	145	45	374	45	171
	R	4835	307	2013	68	366	301	1287	138	355

Percentages

		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
All High School Institutes	A	5078	4.8	40.5	1.7	7.5	5.3	26.8	3.4	10.0
	W	1309	1.8	36.7	1.9	11.1	3.4	28.6	3.4	13.1
	R	4835	6.3	41.6	1.4	7.6	6.2	26.6	2.9	7.3

* A - Accepted
W - Withdrew
R - Rejected

TABLE XIII-B

DISTRIBUTION OF PROFESSIONAL JOURNALS READ BY APPLICANTS AT SPECIFIED SUMMER INSTITUTES ENCOMPASSING SEVERAL FIELDS

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Totals for Specified Institutes	A*	2806	159	1010	41	207	172	826	90	301
	W	648	12	186	13	83	27	211	28	88
	R	2586	188	990	38	163	187	748	71	201
Alaska, U. of	A	50	1	28	1	4	2	12	—	2
	W	14	1	7	—	2	—	4	—	—
	R	28	6	9	—	1	5	4	1	2
Allegheny C.	A	31	2	7	2	1	4	12	1	2
	W	12	1	1	—	2	—	6	—	2
	R	32	—	1	2	1	5	14	3	6
American U.	A	50	3	15	2	6	—	12	3	9
	W	15	—	3	1	4	—	2	—	5
	R	51	2	16	1	—	2	30	—	—
Arizona, U. of	A	52	4	14	2	6	6	9	1	10
	W	19	—	8	—	1	—	8	—	2
	R	52	—	10	—	4	4	34	—	—
Arizona St. C.	A	49	2	11	1	1	7	21	1	5
	W	10	—	1	—	2	—	7	—	—
	R	50	4	22	—	1	4	13	2	4
Arkansas, U. of	A	99	4	39	—	8	2	34	4	8
	W	6	1	1	—	—	—	4	—	—
	R	99	8	60	1	2	3	17	2	6

*
A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Atlanta U.	A	30	3	12	2	—	3	8	2	—
	W	7	—	4	—	1	—	1	—	1
	R	30	2	12	1	1	2	9	1	2
Baylor U.	A	63	5	14	2	5	—	23	5	9
	W	25	2	1	1	4	—	1	5	11
	R	27	7	7	1	—	3	6	—	3
Bucknell U.	A	55	1	28	—	2	6	15	—	3
	W	7	—	4	1	—	—	2	—	—
	R	55	2	27	1	1	2	18	1	3
California, U. of (Berkeley)	A	205	10	57	6	14	25	61	2	30
	W	86	2	15	2	7	6	38	6	10
	R	129	13	27	2	16	9	23	8	31
California, U. of (Los Angeles)	A	104	1	40	2	14	3	27	4	13
	W	27	2	11	1	—	1	8	—	4
	R	56	3	22	2	6	3	11	1	8
Clarkson C. of Tech.	A	53	--	25	1	5	5	14	—	3
	W	15	—	10	—	1	1	3	—	—
	R	53	--	22	3	4	1	16	1	6
Colorado C.	A	53	3	18	—	7	3	16	—	6
	W	23	—	11	--	1	—	6	2	3
	R	53	—	15	2	9	10	17	—	—
Duke U.	A	86	5	54	—	1	1	20	1	4
	W	11	—	8	—	—	—	3	—	—
	R	69	5	50	--	1	1	11	1	—
Hawaii, U. of	A	68	8	17	2	7	6	17	8	3
	W	6	--	2	--	2	--	--	1	1
	R	67	2	23	—	7	6	19	3	7

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Idaho, U. of	A	51	5	22	1	—	2	20	--	1
	W	17	—	1	3	1	2	4	1	5
	R	51	1	23	—	5	1	17	2	2
Iowa St. C.	A	58	6	30	1	8	1	5	1	6
	W	20	—	6	1	1	--	7	1	4
	R	58	3	25	1	4	2	18	1	4
Kansas St. Teachers C.	A	60	5	32	—	2	—	20	—	1
	W	9	—	—	--	—	—	2	1	6
	R	60	7	22	—	3	5	20	1	2
Louisiana St. U.	A	54	3	18	—	5	3	12	4	9
	W	7	--	5	--	—	1	1	—	—
	R	54	4	33	—	3	—	10	1	3
Marshall C.	A	36	3	12	1	3	—	7	1	9
	W	10	--	5	--	3	--	1	—	1
	R	36	3	17	—	—	7	5	2	2
Maryland, U. of	A	58	4	12	1	11	5	9	3	13
	W	20	--	7	1	2	2	7	--	1
	R	58	3	17	3	10	4	21	—	—
Michigan St. U.	A	56	3	24	--	4	3	17	1	4
	W	17	—	4	—	5	1	4	1	2
	R	56	3	23	1	1	5	23	--	—
Minnesota, U.of (Duluth)	A	75	4	25	--	4	3	25	2	12
	W	8	—	2	—	2	--	4	—	—
	R	76	4	24	3	14	3	10	4	13

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Minnesota, U. of (Minneapolis)	A	76	2	25	--	11	4	16	4	14
	W	6	--	—	--	5	--	1	--	--
	R	75	1	30	1	1	11	26	2	3
Mississippi, U. of	A	50	1	26	1	2	3	15	--	2
	W									
	R	50	7	30	1	4	3	4	—	1
Missouri, U. of	A	55	8	22	1	—	4	20	—	—
	W	14	2	1	--	5	2	4	—	--
	R	55	19	16	1	4	3	11	1	—
Morgan St. C.	A	59	--	23	1	2	9	17	5	2
	W	4	--	1	--	--	—	1	—	2
	R	59	4	19	1	1	4	19	4	7
Murray St. C.	A	67	3	26	—	5	3	24	1	5
	W	25	--	4	1	2	—	4	3	11
	R	67	7	24	1	2	2	20	4	7
North Carolina C.	A	58	1	21	--	--	3	21	1	11
	W	5	1	3	--	—	--	1	--	—
	R	45	3	19	1	--	5	13	1	3
North Dakota, U. of	A	53	3	10	1	11	1	17	4	6
	W	14	—	9	--	--	—	5	—	—
	R	53	4	26	--	5	3	11	--	4
Oak Ridge Inst. of Nuclear Studies	A	48	2	10	—	2	2	20	3	9
	W	13	—	--	--	--	1	12	—	—
	R	48	1	16	--	3	3	15	2	8

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Ohio U.	A	54	2	20	—	4	3	11	5	9
	W	18	—	6	—	1	1	9	1	—
	R	54	2	14	—	1	3	32	1	1
Ohio Wesleyan U.	A	54	4	22	1	2	4	15	2	4
	W	4	—	2	—	—	—	1	—	1
	R	54	—	20	1	6	1	18	3	5
Oklahoma A & M C.	A	50	1	24	1	8	—	10	1	5
	W									
	R	50	3	21	—	1	7	18	—	—
Oklahoma, U. of	A	58	2	12	—	5	4	30	1	4
	W	19	—	8	—	2	—	7	—	2
	R	58	6	13	—	—	4	24	1	10
Pennsylvania, U. of	A	61	—	26	2	1	1	24	2	5
	W	37	—	—	1	16	3	17	—	—
	R	61	2	28	—	4	7	16	1	3
Rensselaer Poly. Inst.	A	50	3	12	1	—	4	30	—	—
	W	10	—	2	—	—	2	6	—	—
	R	40	3	4	3	2	4	13	3	8
San Jose St. C.	A	50	1	20	—	3	4	19	2	1
	W	16	—	3	—	4	—	6	—	3
	R	50	7	10	—	3	4	24	—	2
South Dakota St. C.	A	40	6	20	—	2	2	6	1	3
	W	3	—	1	—	—	1	1	—	—
	R	40	—	18	—	3	3	11	1	4

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
South Dakota, U. of	A	51	3	21	2	6	2	15	2	—
	W	11	—	4	—	1	1	2	—	3
	R	51	3	24	—	1	4	15	—	4
Southern Methodist U.	A	30	5	1	2	1	4	7	2	8
	W	4	—	1	—	—	1	2	—	—
	R	30	3	14	—	1	3	6	—	3
Stephen F. Austin St. C.	A	50	15	7	—	1	8	11	1	7
	W	10	—	6	—	1	—	3	—	—
	R	50	8	12	—	4	2	9	5	10
Syracuse U.	A	78	3	23	1	5	4	30	3	9
	W	18	—	4	—	5	1	2	5	1
	R	78	8	32	1	1	8	25	1	2
Texas, U. of	A	68	2	30	—	6	6	18	1	5
	W	10	—	6	—	—	—	2	—	2
	R	68	8	22	2	13	8	12	2	1
VPI	A	60	1	28	—	5	5	13	1	7
	W	9	—	6	—	—	—	—	—	3
	R	60	3	39	1	—	3	14	—	—
Western Michigan C.	A	30	2	15	—	5	—	7	—	1
	W									
	R	30	2	16	—	1	—	8	1	2
Wyoming, U. of	A	60	4	12	—	2	2	14	4	22
	W	7	—	2	—	—	—	2	1	2
	R	60	1	16	—	8	5	18	3	9

TABLE XIII-C

DISTRIBUTION OF PROFESSIONAL JOURNALS READ BY APPLICANTS AT SPECIFIED SUMMER INSTITUTES

		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Mathematics Institutes	A*	670	24	452	3	55	13	101	3	19
	W	183	1	98	5	28	1	23	4	23
	R	640	38	395	6	71	16	99	6	9
Physics Institutes	A	92	12	18	1	3	9	21	10	18
	W	24	2	5	—	3	2	4	2	6
	R	92	2	26	1	10	5	34	3	11
Chemistry Institutes	A	306	10	61	11	30	25	91	27	51
	W	69	1	21	1	6	6	25	3	6
	R	289	22	70	4	25	28	98	17	25
Biology Institutes	A	212	4	49	2	5	8	103	14	27
	W	75	—	27	1	5	2	23	3	14
	R	214	10	78	2	13	15	61	10	25
Radiation Biology Institutes	A	62	4	22	—	2	3	21	1	9
	W	7	—	5	—	—	—	2	—	—
	R	91	2	23	2	5	8	27	7	17
High School & College Teachers Institutes	A	151	6	44	21	26	12	15	9	18
	W	36	1	14	2	2	1	7	1	8
	R	151	16	66	6	5	3	32	12	11

*
A - Accepted
W - Withdrew
R - Rejected

TABLE XIII-D

DISTRIBUTION OF PROFESSIONAL JOURNALS READ BY APPLICANTS AT ACADEMIC YEAR INSTITUTES

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Academic	A*	779	24	399	8	55	26	183	18	66
Year	W	267	6	125	3	18	6	79	4	26
Institutes	R	772	29	365	9	74	39	188	12	56
Chicago, U. of	A	30	--	27	--	--	--	3	--	--
	W	17	1	12	--	2	--	2	--	--
	R	30	--	15	1	7	--	5	--	2
Colorado, U. of	A	54	--	27	2	5	1	9	3	7
	W	25	2	10	--	2	--	6	--	5
	R	54	--	33	--	--	1	19	--	1
Harvard U.	A	46	4	31	1	--	3	6	--	1
	W	17	--	8	--	2	--	4	--	3
	R	46	4	9	--	8	6	9	--	10
Illinois, U. of	A	34	--	29	--	2	--	3	--	--
	W	5	--	4	--	--	--	1	--	--
	R	34	--	22	--	3	--	6	1	2
Michigan, U. of	A	44	1	22	--	7	1	9	--	4
	W	14	--	11	--	--	--	3	--	--
	R	50	--	21	2	4	1	17	1	4
North Carolina, U. of	A	52	2	28	--	3	--	15	1	3
	W	14	--	7	--	1	--	5	1	--
	R	52	2	28	1	4	1	12	--	4

* A - Accepted
W - Withdrew
R - Rejected

College or University		No. of Applicants	None	Educ.	Spec. Sci.	Educ. & Spec. Sci.	Gen. Sci.	Educ. & Gen. Sci.	Spec. & Gen. Sci.	Spec. & Gen. Sci. & Educ.
Ohio St. U.	A	54	--	10	1	10	--	9	7	17
	W	60	1	31	1	3	3	18	1	2
	R	54	1	25	--	10	3	9	1	5
Oklahoma A. & M. College	A	49	1	25	--	1	--	18	1	3
	W	10	--	4	--	1	1	4	--	--
	R	49	3	30	--	1	3	9	--	3
Oregon St. C.	A	52	--	16	2	5	2	18	1	8
	W	11	--	5	--	--	--	4	--	2
	R	52	--	17	2	5	2	11	5	10
Pennsylvania St. U.	A	50	1	19	--	4	3	23	--	--
	W	4	--	1	--	--	--	3	--	--
	R	50	3	27	--	6	2	11	1	--
Stanford U.	A	50	--	28	1	6	1	7	1	6
	W	19	1	11	--	--	--	6	--	1
	R	50	2	21	--	5	3	13	--	6
Texas, U. of	A	53	7	20	--	3	5	11	--	7
	W	27	--	7	2	4	--	8	1	5
	R	53	4	18	--	5	4	12	3	7
Utah, U. of	A	54	3	33	--	1	6	10	--	1
	R	54	2	37	--	--	--	15	--	--
Virginia, U. of	A	54	2	26	1	7	3	14	--	1
	W	19	--	2	--	1	2	8	1	5
	R	54	2	23	1	7	3	16	--	2
Washington U.	A	51	1	28	--	--	--	13	3	6
	W	25	1	12	--	2	--	7	--	3
	R	38	1	20	2	--	5	10	--	--
Wisconsin, U. of	A	52	2	30	--	1	1	15	1	2
	R	52	5	19	--	9	5	14	--	--